

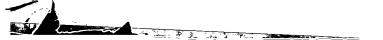
Tue Jul 17 14:16:55 2001 [BLASTN 2.1.3 [Apr-1-2001], NCBI] /home/ruby/va/Molbio/carpenda/temp1/ss.DNA40981 (2906 bp)

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Sequences producing High-scoring Segment Pairs:
                                            Frame Score Match Pct E-val
  1 P_AAC97475 Human angiogenesis-associated protein PR +
                                                 2906
                                                       2906 100
                                                                0.0
  2 P_AAF44261 Human PRO331 nucleotide sequence SEQ ID
                                                       2906 100
                                                  2906
                                                                0.0
  3 P_AAF72423 Human PRO331 cDNA.
                                                  2906
                                                       2906 100
                                                                0.0
  4 P_AAZ52207 Human PRO331 protein encoding cDNA, UNQ2
                                                  2906
                                                      2906 100
                                                                0.0
  5 P_AAA77596 Human PRO331 cDNA sequence SEQ ID NO:106
                                                  2906
                                                      2906 100
                                                                0.0
  6 P_AAX52265 Protein PRO331 cDNA clone DNA40981-1234.
                                                  2906
                                                      2906 100
                                                                0.0
  7 AX098385
            Sequence 11 from Patent W00119991.
                                                  2906
                                                      2906 100
            Homo sapiens mRNA for KIAA1580 protein,
  8 AB046800
                                               +
                                                 2889
                                                       2898 100
                                                                0.0
  9 AC021820
            Homo sapiens clone RP11-40H19, WORKING D
                                               +
                                                  2136
                                                       2136 100
                                                                0.0
 10 AC080100
            Homo sapiens chromosome 11 clone RP11-45
                                                  2132
                                                       2135 100
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>1 P_AAC97475 Human angiogenesis-associated protein PRO331 cDNA, SEQ ID NO:136.
(2906 bp) [1 seg]
 Score = 2906 (5761 bits), Expect = 0.0
 Identities = 2906/2906 (100%), at 1,1-2906,2906, Strand +/+
 DNA40981
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            P_AAC97475
 DNA40981
           61 TGCCTTGCAAAAATGAAGGATGCAGGACGCAGCTTTCTCCTGGAACCGAACGCAATGGAT
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           61 TGCCTTGCAAAAATGAAGGATGCAGGACGCAGCTTTCTCCTGGAACCGAACGCAATGGAT
P_AAC97475
 DNA40981
          121 AAACTGATTGTGCAAGAGAAGGAAGGAAGCATTTTTCTTGTGAGCCCTGGATCTTA
P_AAC97475
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 DNA40981
          181 ACACAAATGTGTATATGTGCACACAGGGGAGCATTCAAGAATGAAATAAACCAGAGTTAGA
P_AAC97475
          181 ACACAAATGTGTATATGTGCACACAGGGAGCATTCAAGAATGAAATAAACCAGAGTTAGA
 DNA40981
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P_AAC97475
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P_AAC97475
          301 CCACCCCAAAAAAAGGATGATTGGAAATGAAGAACCGAGGATTCACAAAGAAAAAAGT
 DNA40981
          361 ATGTTCATTTTCTCTATAAAGGAGAAAGTGAGCCAAGGAGATATTTTTGGAATGAAAAG
              ******************
          361 ATGTTCATTTTCTCTATAAAGGAGAAAGTGAGCCAAGGAGATATTTTTGGAATGAAAAG
P_AAC97475
 DNA40981
          *******************
P_AAC97475
          DNA40981
          481 TTTCCCACAAGAGGAGAGAAATTAATAATACATCTGCAAAGAAATTTCAGAGAAGAAA
              ******************
P_AAC97475 .
          481 TTTCCCACAAGAGGAGAGAAATTAATAATACATCTGCAAAGAAATTTCAGAGAAGAAAA
 DNA40981
          541 GTTGACCGCGGCAGATTGAGGCATTGATTGGGGGAGAGAACCAGCAGAGCACAGTTGGA
              ******************
P AAC97475
          541 GTTGACCGCGGCAGATTGAGGCATTGATTGGGGGAGAGAAACCAGCAGAGCACAGTTGGA
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601 TTTGTGCCTATGTTGACTAAAATTGACGGATAATTGCAGTTGGATTTTTCTTCATCAACC

DNA40981

P_AAC97475	601	TTTGTGCCTATGTTGACTAAAATTGACGGATAATTGCAGTTGGATTTTTCTTCATCAACC
DNA40981	661	TCCTTTTTTTAAATTTTTATTCCTTTTGGTATCAAGATCATGCGTTTTCTCTTGTTCTT
P_AAC97475	661	TCCTTTTTTTAAATTTTTATTCCTTTTGGTATCAAGATCATGCGTTTTCTCTTGTTCTT
DNA40981	721	AACCACCTGGATTTCCATCTGGATGTTGCTGTGATCAGTCTGAAATACAACTGTTTGAAT
P_AAC97475	721	AACCACCTGGATTTCCATCTGGATGTTGCTGTGATCAGTCTGAAATACAACTGTTTGAAT
DNA40981	781	TCCAGAAGGACCAACACCAGATAAATTATGAATGTTGAACAAGATGACCTTACATCCACA
P_AAC97475	781	TCCAGAAGGACCAACACCAGATAAATTATGAATGTTGAACAAGATGACCTTACATCCACA
DNA40981	841	GCAGATAATGATAGGTCCTAGGTTTAACAGGGCCCTATTTGACCCCCTGCTTGTGGTGCT *********************
P_AAC97475	841	GCAGATAATGATAGGTCCTAGGTTTAACAGGGCCCTATTTGACCCCCTGCTTGTGGTGCT
DNA40981		GCTGGCTCTTCAACTTCTTGTGGTGGCTGGTCTGGTGCGGGCTCAGACCTGCCCTTCTGT **************************
P_AAC97475		GCTGGCTCTTCAACTTCTTGTGGTGGCTGGTCTGGTGCGGGCTCAGACCTGCCCTTCTGT
DNA40981		GTGCTCCTGCAGCAACCAGTTCAGCAAGGTGATTTGTGTTCGGAAAAACCTGCGTGAGGT ********************************
P_AAC97475	961	GTGCTCCTGCAGCAACCAGTTCAGCAAGGTGATTTGTGTTCGGAAAAACCTGCGTGAGGT
DNA40981	1021	**************************************
P_AAC97475	1021	${\tt TCCGGATGGCATCTCCACCAACACACGGCTGCTGAACCTCCATGAGAACCAAATCCAGAT}$
DNA40981	1081	CATCAAAGTGAACAGCTTCAAGCACTTGAGGCACTTGGAAATCCTACAGTTGAGTAGGAA **************************
P_AAC97475	1081	${\tt CATCAAAGTGAACAGCTTCAAGCACTTGAGGCACTTGGAAATCCTACAGTTGAGTAGGAA}$
DNA40981	1141	CCATATCAGAACCATTGAAATTGGGGCTTTCAATGGTCTGGCGAACCTCAACACTCTGGA ***********************************
P_AAC97475	1141	${\tt CCATATCAGAACCATTGAAATTGGGGCTTTCAATGGTCTGGCGAACCTCAACACTCTGGA}$
DNA40981	1201	ACTCTTTGACAATCGTCTTACTACCATCCCGAATGGAGCTTTTGTATACTTGTCTAAACT
P_AAC97475	1201	ACTCTTTGACAATCGTCTTACTACCATCCCGAATGGAGCTTTTGTATACTTGTCTAAACT
DNA40981	1261	GAAGGAGCTCTGGTTGCGAAACAACCCCATTGAAAGCATCCCTTCTTATGCTTTTAACAG **********************************
P_AAC97475	1261	${\tt GAAGGAGCTCTGGTTGCGAAACAACCCCATTGAAAGCATCCCTTCTTATGCTTTTAACAG}$
DNA40981	1321	AATTCCTTCTTTGCGCCGACTAGACTTAGGGGAATTGAAAAGACTTTCATACATCTCAGA ***********************************
P_AAC97475	1321	${\tt AATTCCTTCTTTGCGCCGACTAGACTTAGGGGGAATTGAAAAGACTTTCATACATCTCAGA}$
DNA40981	1381	AGGTGCCTTTGAAGGTCTGTCCAACTTGAGGTATTTGAACCTTGCCATGTGCAACCTTCG *********************************
P_AAC97475	1381	${\tt AGGTGCCTTTGAAGGTCTGTCCAACTTGAGGTATTTGAACCTTGCCATGTGCAACCTTCG}$
DNA40981	1441	GGAAATCCCTAACCTCACACCGCTCATAAAACTAGATGAGCTGGATCTTTCTGGGAATCA **********************************
P_AAC97475		GGAAATCCCTAACCTCACACCGCTCATAAAACTAGATGAGCTGGATCTTTCTGGGAATCA
DNA40981		TTTATCTGCCATCAGGCCTGGCTCTTTCCAGGGTTTGATGCACCTTCAAAAACTGTGGAT ********************************
P_AAC97475		TTTATCTGCCATCAGGCCTGGCTCTTTCCAGGGTTTGATGCACCTTCAAAAACTGTGGAT
DNA40981	1561	GATACAGTCCCAGATTCAAGTGATTGAACGGAATGCCTTTGACAACCTTCAGTCACTAGT



P_AAC97475	1561	**************************************
DNA40981	1621	GGAGATCAACCTGGCACACAATAATCTAACATTACTGCCTCATGACCTCTTCACTCCCTT
P_AAC97475	1621	GGAGATCAACCTGGCACACAATAATCTAACATTACTGCCTCATGACCTCTTCACTCCCTT
DNA40981	1681	GCATCATCTAGAGCGGATACATTTACATCACAACCCTTGGAACTGTAACTGTGACATACT
P_AAC97475	1681	GCATCATCTAGAGCGGATACATTTACATCACAACCCTTGGAACTGTAACTGTGACATACT
DNA40981	1741	GTGGCTCAGCTGGTGGATAAAAGACATGGCCCCCTCGAACACAGCTTGTTGTGCCCGGTG
P_AAC97475	1741	GTGGCTCAGCTGGTGGATAAAAGACATGGCCCCCTCGAACACAGCTTGTTGTGCCCGGTG
DNA40981	1801	TAACACTCCTCCCAATCTAAAGGGGAGGTACATTGGAGAGCTCGACCAGAATTACTTCAC ****************************
P_AAC97475	1801	TAACACTCCTCCCAATCTAAAGGGGAGGTACATTGGAGAGCTCGACCAGAATTACTTCAC
DNA40981	1861	ATGCTATGCTCCGGTGATTGTGGAGCCCCCTGCAGACCTCAATGTCACTGAAGGCATGGC
P_AAC97475	1861	ATGCTATGCTCCGGTGATTGTGGAGCCCCCTGCAGACCTCAATGTCACTGAAGGCATGGC
DNA40981	1921	AGCTGAGCTGAAATGTCGGGCCTCCACATCCCTGACATCTGTATCTTGGATTACTCCAAA
P_AAC97475	1921	AGCTGAGCTGAAATGTCGGGCCTCCACATCCCTGACATCTGTATCTTGGATTACTCCAAA
DNA40981	1981	TGGAACAGTCATGACACATGGGGCGTACAAAGTGCGGATAGCTGTGCTCAGTGATGGTAC ************************************
P_AAC97475	1981	TGGAACAGTCATGACACATGGGGCGTACAAAGTGCGGATAGCTGTGCTCAGTGATGGTAC
DNA40981	2041	GTTAAATTTCACAAATGTAACTGTGCAAGATACAGGCATGTACACATGTATGGTGAGTAA ************************
P_AAC97475	2041	GTTAAATTTCACAAATGTAACTGTGCAAGATACAGGCATGTACACATGTATGGTGAGTAA
DNA40981	2101	TTCCGTTGGGAATACTACTGCTTCAGCCACCCTGAATGTTACTGCAGCAACCACTACTCC **************************
P_AAC97475	2101	TTCCGTTGGGAATACTACTGCTTCAGCCACCCTGAATGTTACTGCAGCAACCACTACTCC
DNA40981	2161	TTTCTCTTACTTTTCAACCGTCACAGTAGAGACTATGGAACCGTCTCAGGATGAGGCACG
P_AAC97475	2161	TTTCTCTTACTTTTCAACCGTCACAGTAGAGACTATGGAACCGTCTCAGGATGAGGCACG
DNA40981	2221	GACCACAGATAACAATGTGGGTCCCACTCCAGTGGTCGACTGGGAGACCACCAATGTGAC
P_AAC97475	2221	GACCACAGATAACAATGTGGGTCCCACTCCAGTGGTCGACTGGGAGACCACCAATGTGAC
DNA40981	2281	CACCTCTCTCACACCACAGAGCACAAGGTCGACAGAGAAAACCTTCACCATCCCAGTGAC
P_AAC97475	2281	CACCTCTCTCACACCACAGAGCACAAGGTCGACAGAGAAAACCTTCACCATCCCAGTGAC
DNA40981	2341	TGATATAAACAGTGGGATCCCAGGAATTGATGAGGGTCATGAAGACTACCAAAATCATCAT
P_AAC97475	2341	TGATATAAACAGTGGGATCCCAGGAATTGATGAGGGTCATGAAGACTACCAAAATCATCAT
DNA40981	2401	TGGGTGTTTTGTGGCCATCACACTCATGGCTGCAGTGATGCTGGTCATTTTCTACAAGAT
P_AAC97475	2401	TGGGTGTTTTGTGGCCATCACACTCATGGCTGCAGTGATGCTGGTCATTTTCTACAAGAT
DNA40981	2461	GAGGAAGCACCATCGGCAAAACCATCACGCCCCAACAAGGACTGTTGAAATTATTAA
P_AAC97475	2461	GAGGAAGCACCATCGGCAAAACCATCACGCCCCAACAAGGACTGTTGAAATTATTAA
DNA40981	2521	TGTGGATGATGAGATTACGGGAGACACCCATGGAAAGCCACCTGCCCATGCCTAT

P_AAC97475	2521	**************************************
DNA40981	2581	CGAGCATGAGCACCTAAATCACTATAACTCATACAAATCTCCCTTCAACCACAACA
P_AAC97475	2581	CGAGCATGAGCACCTAAATCACTATAACTCATACAAATCTCCCTTCAACCACAACA
DNA40981	2641	AGTTAACACAATAAATTCAATACACAGTTCAGTGCATGAACCGTTATTGATCCGAATGAA
P_AAC97475	2641	AGTTAACACAATAAATTCAATACACAGTTCAGTGCATGAACCGTTATTGATCCGAATGAA
DNA40981	2701	CTCTAAAGACAATGTACAAGAGACTCAAATCTAAAACATTTACAGAGTTACAAAAAACAA
P_AAC97475	2701	CTCTAAAGACAATGTACAAGAGACTCAAATCTAAAACATTTACAGAGTTACAAAAAAACAA
DNA40981	2761	ACAATCAAAAAAAAGACAGTTTATTAAAAATGACACAAATGACTGGGCTAAATCTACTG
P_AAC97475	2761	ACAATCAAAAAAAAGACAGTTTATTAAAAATGACACAAATGACTGGGCTAAATCTACTG
DNA40981	2821	TTTCAAAAAAGTGTCTTTACAAAAAAACAAAAAAGAAAAGAAATTTATTT
P_AAC97475	2821	TTTCAAAAAGTGTCTTTACAAAAAACAAAAAGAAAAGAA
DNA40981	2881	CTATTGTGATCTAAAGCAGACAAAA ******************
P_AAC97475	2881	CTATTGTGATCTAAAGCAGACAAAAA
Score = 29	06 (5'	man PRO331 nucleotide sequence SEQ ID NO:500. (2906 bp) [1 seg] 761 bits), Expect = 0.0 06/2906 (100%), at 1,1-2906,2906, Strand +/+
DNA40981	1	GGGGAGAGGAATTGACCATGTAAAAGGAGACTTTTTTTTT
		* * * * * * * * * * * * * * * * * * * *
P_AAF44261	1	**************************************
P_AAF44261 DNA40981		
_	61	GGGGAGAGGAATTGACCATGTAAAAGGAGACTTTTTTTTT
DNA40981	61 61	GGGGAGAGGAATTGACCATGTAAAAGGAGACTTTTTTTTT
DNA40981 P_AAF44261	61 61 121	GGGGAGAGGAATTGACCATGTAAAAGGAGACTTTTTTTTT
DNA40981 P_AAF44261 DNA40981	61 61 121 121	GGGGAGAGGAATTGACCATGTAAAAGGAGACTTTTTTTTT
DNA40981 P_AAF44261 DNA40981 P_AAF44261	61 61 121 121 181	GGGGAGAGGAATTGACCATGTAAAAGGAGACTTTTTTTTT
DNA40981 P_AAF44261 DNA40981 P_AAF44261 DNA40981	61 61 121 121 181 181	GGGGAGAGGAATTGACCATGTAAAAGGAGACTTTTTTTTT
DNA40981 P_AAF44261 DNA40981 P_AAF44261 DNA40981 P_AAF44261	61 61 121 121 181 181 241	GGGGAGAGGAATTGACCATGTAAAAGGAGACTTTTTTTTT
DNA40981 P_AAF44261 DNA40981 P_AAF44261 DNA40981 P_AAF44261 DNA40981	61 121 121 181 181 241	GGGGAGAGGAATTGACCATGTAAAAGGAGACTTTTTTTTT
DNA40981 P_AAF44261 DNA40981 P_AAF44261 DNA40981 P_AAF44261 DNA40981 P_AAF44261	61 121 121 181 181 241 241	GGGGAGAGGAATTGACCATGTAAAAGGAGACTTTTTTTTT
DNA40981 P_AAF44261 DNA40981 P_AAF44261 DNA40981 P_AAF44261 DNA40981 P_AAF44261 DNA40981	61 121 121 181 181 241 241 301	GGGGAGAGGAATTGACCATGTAAAAGGAGACTTTTTTTTT
DNA40981 P_AAF44261 DNA40981 P_AAF44261 DNA40981 P_AAF44261 DNA40981 P_AAF44261 DNA40981 P_AAF44261 DNA40981 P_AAF44261	61 121 121 181 181 241 301 301 361	GGGGAGAGGAATTGACCATGTAAAAGGAGACTTTTTTTTT
DNA40981 P_AAF44261 DNA40981 P_AAF44261 DNA40981 P_AAF44261 DNA40981 P_AAF44261 DNA40981 P_AAF44261 DNA40981	61 121 121 181 181 241 301 361 361	GGGGAGAGAATTGACCATGTAAAAGGAGACTTTTTTTTTT
DNA40981 P_AAF44261	61 121 121 181 181 241 301 361 361 421	GGGGAGGAATTGACCATGTAAAAGGAGCTTTTTTTTTTT

P_AAF44261	481	TTTCCCACAAGAGGAGAGAAATTAATAATACATCTGCAAAGAAATTTCAGAGAAGAAAA
DNA40981	541	GTTGACCGCGGCAGATTGAGGCATTGATTGGGGGAGAGAACCAGCAGAGCACAGTTGGA
P_AAF44261	541	GTTGACCGCGGCAGATTGAGGCATTGATTGGGGGAGAGAAACCAGCAGAGCACAGTTGGA
DNA40981	601	TTTGTGCCTATGTTGACTAAAATTGACGGATAATTGCAGTTGGATTTTTCTTCATCAACC
P_AAF44261	601	TTTGTGCCTATGTTGACTAAAATTGACGGATAATTGCAGTTGGATTTTTCTTCATCAACC
DNA40981	661	TCCTTTTTTTTAAATTTTTATTCCTTTTGGTATCAAGATCATGCGTTTTCTCTTGTTCTT ********************
P_AAF44261	661	TCCTTTTTTTAAATTTTTATTCCTTTTGGTATCAAGATCATGCGTTTTCTCTTGTTCTT
DNA40981	721	AACCACCTGGATTTCCATCTGGATGTTGCTGTGATCAGTCTGAAATACAACTGTTTGAAT ******************************
P_AAF44261	721	AACCACCTGGATTTCCATCTGGATGTTGCTGTGATCAGTCTGAAATACAACTGTTTGAAT
DNA40981	781	TCCAGAAGGACCAACACAGATAAATTATGAATGTTGAACAAGATGACCTTACATCCACA *************************
P_AAF44261	781	TCCAGAAGGACCAACACCAGATAAATTATGAATGTTGAACAAGATGACCTTACATCCACA
DNA40981		GCAGATAATGATAGGTCCTAGGTTTAACAGGGCCCTATTTGACCCCCTGCTTGTGGTGCT *********************
P_AAF44261	841	GCAGATAATGATAGGTCCTAGGTTTAACAGGGCCCTATTTGACCCCCTGCTTGTGGTGCT
DNA40981	901	**************************************
P_AAF44261		GCTGGCTCTTCAACTTCTTGTGGTGGCTGGTCTGGTGCGGGCTCAGACCTGCCCTTCTGT
DNA40981		GTGCTCCTGCAGCAACCAGTTCAGCAAGGTGATTTGTGTTCGGAAAAACCTGCGTGAGGT ********************************
P_AAF44261		GTGCTCCTGCAGCAACCAGTTCAGCAAGGTGATTTGTGTTCGGAAAAACCTGCGTGAGGT
DNA40981		TCCGGATGGCATCTCCACCAACACGGCTGCTGAACCTCCATGAGAACCAAATCCAGAT ***********************************
P_AAF44261		TCCGGATGGCATCTCCACCAACACGGCTGCTGAACCTCCATGAGAACCAAATCCAGAT
DNA40981		CATCAAAGTGAACAGCTTCAAGCACTTGAGGCACTTGGAAATCCTACAGTTGAGTAGGAA
P_AAF44261		CATCAAAGTGAACAGCTTCAAGCACTTGAGGCACTTGGAAATCCTACAGTTGAGTAGGAA
DNA40981		CCATATCAGAACCATTGAAATTGGGGCTTTCAATGGTCTGGCGAACCTCAACACTCTGGA ***********************************
P_AAF44261		CCATATCAGAACCATTGAAATTGGGGCTTTCAATGGTCTGGCGAACCTCAACACTCTGGA
DNA40981		ACTCTTTGACAATCGTCTTACTACCATCCCGAATGGAGCTTTTGTATACTTGTCTAAACT
P_AAF44261		ACTCTTTGACAATCGTCTTACTACCATCCCGAATGGAGCTTTTGTATACTTGTCTAAACT
DNA40981		GAAGGAGCTCTGGTTGCGAAACAACCCCATTGAAAGCATCCCTTCTTATGCTTTTAACAG
P_AAF44261		GAAGGAGCTCTGGTTGCGAAACAACCCCATTGAAAGCATCCCTTCTTATGCTTTTAACAG
DNA40981		AATTCCTTCTTTGCGCCGACTAGACTTAGGGGAATTGAAAAGACTTTCATACATCTCAGA
P_AAF44261	1321	AATTCCTTCTTTGCGCCGACTAGACTTAGGGGAATTGAAAAGACTTTCATACATCTCAGA
DNA40981		AGGTGCCTTTGAAGGTCTGTCCAACTTGAGGTATTTGAACCTTGCCATGTGCAACCTTCG
P_AAF44261		AGGTGCCTTTGAAGGTCTGTCCAACTTGAGGTATTTGAACCTTGCCATGTGCAACCTTCG
DNA40981	1441 (GGAAATCCCTAACCTCACACCGCTCATAAAACTAGATGAGCTGGATCTTTCTGGGAATCA

P_AAF44261	1441	**************************************
DNA40981	1501	TTTATCTGCCATCAGGCCTGGCTCTTTCCAGGGTTTGATGCACCTTCAAAAACTGTGGAT
P_AAF44261	1501	TTTATCTGCCATCAGGCCTGGCTCTTTCCAGGGTTTGATGCACCTTCAAAAACTGTGGAT
DNA40981	1561	GATACAGTCCCAGATTCAAGTGATTGAACGGAATGCCTTTGACAACCTTCAGTCACTAGT
P_AAF44261	1561	GATACAGTCCCAGATTCAAGTGATTGAACGGAATGCCTTTGACAACCTTCAGTCACTAGT
DNA40981	1621	GGAGATCAACCTGGCACACAATAATCTAACATTACTGCCTCATGACCTCTTCACTCCCTT
P_AAF44261	1621	GGAGATCAACCTGGCACACAATAATCTAACATTACTGCCTCATGACCTCTTCACTCCCTT
DNA40981		GCATCATCTAGAGCGGATACATTTACATCACAACCCTTGGAACTGTAACTGTGACATACT ********************************
P_AAF44261	1681	GCATCATCTAGAGCGGATACATTTACATCACAACCCTTGGAACTGTAACTGTGACATACT
DNA40981		GTGGCTCAGCTGGTGGATAAAAGACATGGCCCCCTCGAACACAGCTTGTTGTGCCCGGTG **********************
P_AAF44261	1741	GTGGCTCAGCTGGTGGATAAAAGACATGGCCCCCTCGAACACAGCTTGTTGTGCCCGGTG
DNA40981	1801	TAACACTCCTCCCAATCTAAAGGGGAGGTACATTGGAGAGCTCGACCAGAATTACTTCAC
P_AAF44261	1801	TAACACTCCTCCCAATCTAAAGGGGAGGTACATTGGAGAGCTCGACCAGAATTACTTCAC
DNA40981	1861	ATGCTATGCTCCGGTGATTGTGGAGCCCCCTGCAGACCTCAATGTCACTGAAGGCATGGC ***********************************
P_AAF44261	1861	ATGCTATGCTCCGGTGATTGTGGAGCCCCCTGCAGACCTCAATGTCACTGAAGGCATGGC
DNA40981	1921	AGCTGAGCTGAAATGTCGGGCCTCCACATCCCTGACATCTGTATCTTGGATTACTCCAAA
P_AAF44261	1921	AGCTGAGCTGAAATGTCGGGCCTCCACATCCCTGACATCTGTATCTTGGATTACTCCAAA
DNA40981	1981	TGGAACAGTCATGACACATGGGGCGTACAAAGTGCGGATAGCTGTGCTCAGTGATGGTAC ************************************
P_AAF44261	1981	TGGAACAGTCATGACACATGGGGCGTACAAAGTGCGGATAGCTGTGCTCAGTGATGGTAC
DNA40981	2041	GTTAAATTTCACAAATGTAACTGTGCAAGATACAGGCATGTACACATGTATGGTGAGTAA ************************
P_AAF44261	2041	GTTAAATTTCACAAATGTAACTGTGCAAGATACAGGCATGTACACATGTATGGTGAGTAA
DNA40981	2101	TTCCGTTGGGAATACTACTGCTTCAGCCACCCTGAATGTTACTGCAGCAACCACTACTCC **************************
P_AAF44261	2101	TTCCGTTGGGAATACTACTGCTTCAGCCACCCTGAATGTTACTGCAGCAACCACTACTCC
DNA40981	2161	TTTCTCTTACTTTTCAACCGTCACAGTAGAGACTATGGAACCGTCTCAGGATGAGGCACG *******************************
P_AAF44261	2161	TTTCTCTTACTTTTCAACCGTCACAGTAGAGACTATGGAACCGTCTCAGGATGAGGCACG
DNA40981	2221	GACCACAGATAACAATGTGGGTCCCACTCCAGTGGTCGACTGGGAGACCACCAATGTGAC ************************************
P_AAF44261	2221	GACCACAGATAACAATGTGGGTCCCACTCCAGTGGTCGACTGGGAGACCACCAATGTGAC
DNA40981	2281	CACCTCTCTCACACCACAGAGCACAAGGTCGACAGAGAAAACCTTCACCATCCCAGTGAC
P_AAF44261	2281	CACCTCTCTCACACCACAGAGCACAAGGTCGACAGAGAAAACCTTCACCATCCCAGTGAC
DNA40981		TGATATAAACAGTGGGATCCCAGGAATTGATGAGGGTCATGAAGACTACCAAAATCATCAT **********************
P_AAF44261		TGATATAAACAGTGGGATCCCAGGAATTGATGAGGTCATGAAGACTACCAAAATCATCAT
DNA40981	2401	TGGGTGTTTTGTGGCCATCACACTCATGGCTGCAGTGATGCTGGTCATTTTCTACAAGAT





P_AAF44261 2401 TGGG P_AAF44261 2401 TGGGACCATCGGCAAAAACCAAAACCAACAAGGAAAACCAACAAGGAAAACCAACAA
P_AAF44261 2401 TGGGTGTTTTGTGGCCATCACACCACCACCACACACACAC
2461 GAGGARACACACACACACACACACACACACACACACACAC
P(A)
more GAIGAL ma ACTUAL a a CCACACACACACACACACACACACACACACACACA
DNA40981 2521 TGTGGATGATGAGGATTACGGGAGACACCCCATO ***********************************
P_AAF44261 DNA40981 2581 CGAGCATGAGCACCTAAATCACCTATAACTCATACAAATCTCGAATGA ********************************
2581 CGAGCATGAGO
-mm\\\\A\C\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
$-mm\lambda \Delta (AO^{2})$
DNA40981 2701 CTC. **********************************
2701 CTCTARA
TANTO AAART LAALEE AAAA MAAAA MAAAAA MAAAA MAAAAA MAAAA MAAAAA MAAAA MAAAAA MAAAA MAAAAA MAAAAAA
DNA40981 2761 ************************************
P_AAF44261 2761 ACCAAAAAAAGTGTCTTTACAAAAAAAAAAAAAAAAAAA
P_AAF44261 2821 TTTCAAAAAAAGTOU P_AAF44261 2881 CTATTGTGATCTAAAGCAGACAAAAA *************************
P_AAF44261 2821 TITOTO DNA40981 2881 CTATTGTGATCTAAAGCAGACAAAAA ************************
2881 CTATTGIGHT (2906 bp) [1 ses
P_AAF4261 2881 CTATTGTGATCTD P_AAF4261 2881 CTATTGTGATCTD (2906 bp) [1 seg] P_AAF4261 2881 CTATTGTGATCTD (2906 bp) [1 seg] Strand +/+ AAF72423 Human PRO331 cDNA. (2906 bp) [1 seg] Strand +/+ Score = 2906 (5761 bits), Expect = 0.0 Score = 2906 (2906 (100%), at 1,1-2906,2906, Strand +/+ Score = 2906 (2906 (100%), at 1,1-2906,2906, Strand +/+ Score = 2906 (2906 bp) [1 seg] Strand +/+ Score = 2906 (2906 bp
>3 P_AAF72423 (5761 bits), at 1,1 at
Identities = ZJOURGCAATTGACCATGITAL************************************
DNA40981 1 GGGGAGGAATTGACCATGTAAAAGGACTTTCTCCTGGAACCGAACGAA
1 GGGGACCUARIO
D ABL '
1)N/1
D AAT TO THE TOTAL THE TAX TO THE TOTAL THE TAX TO THE
121 AAACTON TOTAL
181 ACACAAA1G1
-2000 (11000 - 1+ + * * *
DIV_{1}
P_AAF72423 P_AAF72423 P_AAF72423
P_AAF72423 DNA40981 ACCCCCCCAAAAAAAAAAGGATGATTGGAAATGAAGACCGAGGATTCACAAAGAAAAAGGATGATTGGAAATGAAGACCGAGGATTCACAAAGAAAAAGGATGATTGGAAATGAAGACCGAGGATTCACAAAGAAAAAAGGATGATTGGAAATGAAGACCGAGGATTCACAAAGAAAAAAGGATGATTGGAAATGAAGACCGAGGATTCACAAAGAAAAAAGGATGATTGGAAATGAAGACCGAGGATTCACAAAAGAAAAAAAA
301 CCACCCCCAAATTATAAAGGAGAAAGTGAGGGAGAAAGTGAGGGAGAAAGTGAGGGAGAAAGTGAGGGAGAAAGTGAGGAG
P_AAT
DNA40981 361 AT

P_AAF72423	361	**************************************
DNA40981	421	TTTGGGGCTTTTTTAGTAAAGTAAAGAACTGGTGTGGTG
P_AAF72423	421	TTTGGGGCTTTTTTAGTAAAGTAAAGAACTGGTGTGGTG
DNA40981	481	TTTCCCACAAGAGGGGGGAAATTAATAATACATCTGCAAAGAAATTTCAGAGAAGAAA
P_AAF72423	481	TTTCCCACAAGAGGAGAGGAAATTAATAATACATCTGCAAAGAAATTTCAGAGAAGAAAA
DNA40981	541	GTTGACCGCGGCAGATTGAGGCATTGATTGGGGGAGAAACCAGCAGAGCACAGTTGGA ********************************
P_AAF72423	541	GTTGACCGCGGCAGATTGAGGCATTGATTGGGGGAGAAACCAGCAGAGCACAGTTGGA
DNA40981	601	TTTGTGCCTATGTTGACTAAAATTGACGGATAATTGCAGTTGGATTTTTCTTCATCAACC
P_AAF72423		TTTGTGCCTATGTTGACTAAAATTGACGGATAATTGCAGTTGGATTTTTCTTCATCAACC
DNA40981		TCCTTTTTTTAAATTTTTATTCCTTTTGGTATCAAGATCATGCGTTTTCTCTT **************************
P_AAF72423		TCCTTTTTTTAAATTTTTATTCCTTTTGGTATCAAGATCATGCGTTTTCTCTTGTTCTT
DNA40981		AACCACCTGGATTTCCATCTGGATGTTGCTGTGATCAGTCTGAAATACAACTGTTTGAAT ******************************
P_AAF72423		AACCACCTGGATTTCCATCTGGATGTTGCTGTGATCAGTCTGAAATACAACTGTTTGAAT
DNA40981		TCCAGAAGGACCAACACAGATAAATTATGAATGTTGAACAAGATGACCTTACATCCACA *************************
P_AAF72423		TCCAGAAGGACCAACACCAGATAAATTATGAATGTTGAACAAGATGACCTTACATCCACA
DNA40981		GCAGATAATGATAGGTCCTAGGTTTAACAGGGCCCTATTTGACCCCCTGCTTGTGGTGCT
P_AAF72423		GCAGATAATGATAGGTCCTAGGTTTAACAGGGCCCTATTTGACCCCCTGCTTGTGGTGCT
DNA40981		GCTGGCTCTTCAACTTCTTGTGGTGGCTGGTCTGGTGCGGGCTCAGACCTGCCCTTCTGT
P_AAF72423		GCTGGCTCTTCAACTTCTTGTGGTGGCTGGTCTGGTGCGGGCTCAGACCTGCCCTTCTGT
DNA40981		GTGCTCCTGCAGCAACCAGTTCAGCAAGGTGATTTGTGTTCGGAAAAACCTGCGTGAGGT ********************************
P_AAF72423		GTGCTCCTGCAGCAACCAGTTCAGCAAGGTGATTTGTGTTCGGAAAAACCTGCGTGAGGT
DNA40981	1021	TCCGGATGGCATCTCCACCAACACGGCTGCTGAACCTCCATGAGAACCAAATCCAGAT ***********************************
P_AAF72423 DNA40981		TCCGGATGGCATCTCCACCAACACACGGCTGCTGAACCTCCATGAGAACCAAATCCAGAT
P_AAF72423		CATCAAAGTGAACAGCTTCAAGCACTTGAGGCACTTGGAAATCCTACAGTTGAGTAGGAA **************************
DNA40981		CCATATCAGAACCATTGAAATTGGGGCTTTCAATGGTCTGGCGAACCTCAACACTCTGGA
P AAF72423		**************************************
DNA40981		ACTCTTTGACAATCGTCTTACTACCATCCCGAATGGAGCTTTTGTATACTTGTCTAAACT
P_AAF72423		**************************************
DNA40981		GAAGGAGCTCTGGTTGCGAAACAACCCCATTGAAAGCATCCCTTCTTATGCTTTTAACAG
P_AAF72423		**************************************
DNA40981		AATTCCTTCTTTGCGCCGACTAGACTTAGGGGAATTGAAAAGACTTTCATACATCTCAGA

	,	*********
P_AAF72423	1321 7	AATTCCTTCTTTGCGCCGACTAGACTTAGGGG.
DNA40981		AGGTGCCTTTGAAGGTCTGTCCAACTTGAGGTATTT\ *********************************
P_AAF72423	1381	AGGTGCCTTGAAGGTCTGACACTTGAGGTATTTGAAG**********
DNA40981	1441	GGAAATCCCTAACCTCACACCGCCGCGCGCGCGCGCGCGC
P_AAF72423	1441	GGAAATCCCTAACCTCACACCGCTCATAAAACTTCTTCACACCACCACACCACACACCACACACACACACACACACA
DNA40981	1501	TTTATCTGCCATCAGGCCTGGCTCTTTCCAGGGTTTGATGCACCTTCAAAAA*** ***********************
P_AAF72423	1501	TTTATCTGCCATCAGGCCTGGCTCTTTCCAGGGTTTGATGCACCTTCAAAAA
DNA40981	1561	GATACAGTCCCAGATTCAAGTGATTGAACGGAATGCCTTTGACAACCTTCAGTCACTAGT
P_AAF72423	1561	**************************************
DNA40981	1621	GGAGATCAACCTGGCACACAATAATCTAACATTACTGCCTCATGACCTCTTCACTCCCTT **********************
P_AAF72423	1621	GGAGATCAACCTGGCACACAATAATCTAACATTACTGCCTCATGACCTCTTCACTCCCTT
DNA40981	1681	GCATCATCTAGAGCGGATACATTTACATCACAACCCTTGGAACTGTAACTGTGACATACT ********************************
P_AAF72423	1681	GCATCATCTAGAGCGGATACATTTACATCACAACCCTTGGAACTGTAACTAAC
DNA40981	1741	GTGGCTCAGCTGGTGGATAAAAGACATGGCCCCCTCGAACACAGCTTGTTGTGCCCGGTG
P_AAF72423	1741	GTGGCTCAGCTGGTGGATAAAAGACATGGCCCCCTCGAACACAGCTTGTTGTTGTGTGTG
DNA40981	1801	TAACACTCCTCCCAATCTAAAGGGGAGGTACATTGGAGAGCTCGACCAGAATTACTTCAC
P_AAF72423	1801	TAACACTCCTCCCAATCTAAAGGGGAGGTACAT"TGGAGAGCTCGACCAGIITT
DNA40981	1861	ATGCTATGCTCCGGTGATTGTGGAGCCCCCTGCAGACCTCAATGTCACTGAAGGCATGGC ***********************************
P_AAF72423	1861	ATGCTATGCTCCGGTGATTGTGGAGCCCCCTGCAGACCTCAATGTCAGTGTGTGT
DNA40981	1921	AGCTGAGCTGAAATGTCGGGCCTCCACATCCCTGACATCTGTATCTTGGATTACTCCAAA
P_AAF72423	1921	AGCTGAGCTGAAATGTCGGGCCTCCACATCCCTGACATCTGTATCT
DNA40981	1983	TGGAACAGTCATGACACATGGGGCGTACAAAGTGCGGATAGCTGTGCTCAGTGATGGTAC
P_AAF72423	3 198	1 TGGAACAGTCATGACACATGGGGCGTACAAAGTGCGGATAGCTGTGGTGTGT
DNA4098	1 204	1 GTTAAATTTCACAAATGTAACTGTGCAAGATACAGGCATGTACACATGTATGGTGAGTAA
P_AAF7242	3 204	1 GTTAAATTTCACAAATGTAACTGTGCAAGATACAGGCATGTACACATTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTC
DNA4098	1 210	1 TTCCGTTGGGAATACTACTGCTTCAGCCACCCTGAATGTTACTGCAGCAACCACTACTCC *************************
P_AAF7242	3 210	1 TTCCGTTGGGAATACTACTGCTTCAGCCACCCTGAATGTTACTGCAGCATTT
DNA4098	1 216	1 TTTCTCTTACTTTCAACCGTCACAGTAGAGACTATGGAACCGTCTCAGGATGAGGCACG ******************************
P_AAF7242	3 216	1 TTTCTCTTACTTTTCAACCGTCACAGTAGAGACTATGGAACCGTGTGTGT
DNA4098	31 222	21 GACCACAGATAACAATGTGGGTCCCACTCCAGTGGTCGACTGGGAGACCACCAATGTGAC ************************************
P_AAF7242	23 222	21 CACCACAGATAACAATGTGGGTCCCACTCCAGTGGTCGACTCCAGTGGTCAACTCCAGTGGTCGACTCCAGTGGTCGACTCCAGTGGTCGACTCCAGTGGTCAACTCCAGTGGTCAACTCCAGTGGTCAACTCCAGTGGTCAACTCCAGTGGTCAACTCCAGTGGTCAACTAACTCAACTCAACTCAACTCAACTCAACTCAACTCAACTCAACTCAACTCAACTCAACTCAACTAACAAC
DNA4098	31 228	31 CACCTCTCTCACACCACAGAGCACAAGGTCGACAGAGAAAACCTTCACCATCCCAGTGAC

P AAF72423 2281 CACCTCTCTCACACCACAGAGCACAAGGTC
P_AAF72423 2281 CACCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT
TGATATAAACAGTGGGATCCC+*****************
P_AAF72423 2341 TGATATAAACAGTGGGATCCCAGGAATTOTT
DNA40981 2401 -+++**********************************
P AAF72423 2401 TGGGTGTTTTGAAX
DNA40981 2461 GAGGAGGACTGTTGAAATTT
P. AAF72423 2461 GAGGAAGCACCATCGGGAAGCCATGGGAAAGCCACCTGCCCATGCCTAT
P_AAF72423 2461 GAGGAAGCAGCACCACCATGGAAAGCCACCTGCCCATGCCTGCTAT DNA40981 2521 TGTGGATGATGAGATTACGGGAGACACCCATGGAAAGCCACCTGCCCATGCCTGCTAT **********************************
P_AAF72423 2521 TGTGGATGATGACTATAACTCATACAAATCTCCCTTCAACCACACACA
P_AAF72423 2581 CGAGCATGAGCACO DNA40981 2641 AGTTAACACAATAAATTCAATACACAGTTCAGTGCATGAACCGTTATTGATCCGAATCATACACAATAAATTCAATACACAGTTCAGTGCATGAACCGTTATTGATCCGAATGAA *******************************
P_AAF72423 2641 AGTTAACACAATAAATTCAATACACAGTTCAGTGAGAGTTACAGAGTTACAAAAAAAA
DNA40981 2701 CTCTAAAGACAATGTACAAGAGACTCAAATCTAAAACATTTACAGAGTTACAAAAAAAA
P_AAF72423 2701 CTCTAAAGACAATGTACAAGAGACTCAAATCTTACTG DNA40981 2761 ACAATCAAAAAAAAAAAAAGACAGTTTATTAAAAAATGACACAAATGACTGGGCTAAATCTACTG ***********************************
A A A A A A A GACAGTTTAT TARACATT
P_AAF72423 2761 ACAATCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
A A A COCOCOTOTTTACAAAAAACTII
PARETZEE
***** A A COMPANA A GCAGACAAAAA
P_AAF72423 2881 CTATTGTGATCTAAAGCAGACAAAAA P_AAF72423 2881 CTATTGTGATCTAAAGCAGACAAAAA >4 P_AAZ52207 Human PRO331 protein encoding cDNA, UNQ292. DNA, PAT 18-JUL-2000 >4 P_AAZ52207 Human PRO331 protein encoding cDNA, UNQ292. CTrand +/+
(2906 bp) 12 - 2906 (5761 bits), Expect 1,1-2906,2906, Strand
Score = 2906 (5761 bits), Expense at 1,1-2906,2906, Strand Score = 2906/2906 (100%), at 1,1-2906,2906, Strand Identities = 2906/2906, Strand Id
** A DURCACCATGTAAAAGGAGACT
P_AAZ52207 1 GGGGAGGAATTGACCATGTAAAAGGAGCTTTCTCCTGGAACCGAACGCAATGGAT DNA40981 61 TGCCTTGCAAAAATGAAGGATGCAGGACGCAGCTTTCTCCTGGAACCGAACGCAATGGAT *******************************
** A A TICA AGGATGCAGGACGCTO
P_AAZ52207 61 TGCCTTGCAAAAATGAAGGATGCAGGAAGGAAGCTTTTCTTGTGAGCCCTGGATCTTA DNA40981 121 AAACTGATTGTGCAAGAGAAGAAGGAAGGAAGCAAGCTTTTCTTGTGAGCCCTGGATCTTA ********************************
THE THE CONTROL A GAGAGAAGAAGAACAA
P_AAZ52207 121 AAACTGATTGTGCAAGAGGAAGGAAGGAAGGAATGAAATAAACCAGAGTTAGA DNA40981 181 ACACAAATGTGTATATGTGCACACAGGGAGCATTCAAGAATGAAATAAACCAGAGTTAGA *****************************
A CANANTETETATATETECACACAGGGACCO
P_AAZ52207 181 ACACAAA1011

DNA40981	241 CCCGCGGGGGTTGGTGTTCTGACATAAATAAA'\ *********************************
P_AAZ52207	241 CCCGCGGGGGTTGGTGTTCTGACATAAATAAATAAAT 241 CCCGCGGGGGTTGGTGTTCTGACATAAATAAATAAAT 241 CCCGCGGGGGTTCCCCCCCCCCCCCCCCCCCCCCCCCC
DNA40981	301 CCACCCCAAAAAAAAAGATUTTTTTTTTTTTTTTTTTTTT
P_AAZ52207	
DNA40981	361 ATGTTCATTTTCTCTATAAAGGAGAAAGTGAGCCAAGGAGATATTTTTA** **********************
P_AAZ52207	361 ATGTTCATTTTCTCTATAAAGGAGAAAGTGAGCCAAGGAGATATTTTTGGĀLAG 361 ATGTTCATTTTCTCTATAAAGGAGAAAGTGAGCCTGTGGTGTTTTCCTTTTL
DNA40981	421 TTTGGGGCTTTTTTAGTAAAGTAAAGAACTGGTGTGTGTG
P_AAZ52207	421 TTTGGGGCTTTTTTAGTAAAGTAAAGAACTGGCAAAGAAATTTCAGAGAAGAAAA 481 TTTCCCACAAGAGGAGGAAATTAATAATACATCTGCAAAGAAATTTCAGAGAAGAAAA 481 TTTCCCACAAGAGGAGGAAGAAAA
DNA40981	481 TTTCCCACAAGAGGAGAGAAATTAATAATACATCTGCAAAGAAATTTCAGAGAAAT *******************************
P_AAZ52207	
DNA40981	541 GTTGACCGCGGCAGATTGAGGCATTGATTGGGGGAGAGACCAGCAGAGACACAGCAGAGAGACACAGCAG
P_AAZ52207	
DNA40981	601 TTTGTGCCTATGTTGACTAAAATTGACGGATAATTGCAGTTGGATTTTTTTT
P_AAZ52207	
DNA40981	******* A TOTAL A A TOTAL A A TOTAL A
P_AAZ52207	ACTION TO THE CONTROL OF THE CONTROL
DNA40981	***** ACTOCATOTCO TOTCTGGATGTTGCTGTGATCAGTCTGAAATACAACTC
P_AAZ52207	GGACGAACACACCAGATAAATTATGAATGTTGAACAAGATGAACATAA**********
DNA40981	**************************************
P_AAZ52207	TGATA CCTCCTAGGTTTAACAGGGCCCTATTTGACCCCCCTA**********
DNA40981	**************************************
P_AAZ52207	TOTAL A CONTINUE TO GTGGTGGTGGTGCTGGTGCGGGGCTCAGAGAGAGAGAGAG
DNA40981	******* ACTION ACTION TO THE TOTAL ACTION TO T
P_AAZ5220' DNA4098	TOTAL COLOR OF A COLOR OF THE C
P_AAZ5220	7 961 GTGCTCCTGCAGCAACCAGTTCAGCAAGGTGATTTGTGTTCGGAAAAAACC
DNA4098	TOGAL MCMCCACCA ACACACGGCTGCTGAACCTCCATGAGATALEA *** *** *** ***********************
P_AAZ5220	7 1021 TCCGGATGGCATCTCCACCAACACACGGCTGCTGAACCTCCATGAGAACGTAGGAA
DNA4098	TOTAL ACCOUNT A AGCACTTGAGGCACTTGGAAA I CC I A *** * * * * * * * * * * * * * * * *
P_AAZ5220	07 1081 CATCAAAGTGAACAGCTTCAAGCACTTONOOO
DNA409	TO A COA TO CAA A TO GGGCTT I CAA TO G TO TO COA TO A TO
P_AAZ522	TO TO TO TO A COATT GAAAT GGGGC 1 101 11 101 101 101 101 101 101 101 1

DNA40981	1201	ACTCTTTGACAATCGTCTTACTACCATCCCGAATGGAGCTTTTGTATACTTGTCTAAACT
P_AAZ52207	1201	ACTCTTTGACAATCGTCTTACTACCATCCCGAATGGAGCTTTTGTATACTTGTCTAAACT
DNA40981	1261	GAAGGAGCTCTGGTTGCGAAACAACCCCATTGAAAGCATCCCTTCTTATGCTTTTAACAG
P_AAZ52207	1261	GAAGGAGCTCTGGTTGCGAAACAACCCCATTGAAAGCATCCCTTCTTATGCTTTTAACAG
DNA40981	1321	AATTCCTTCTTTGCGCCGACTAGACTTAGGGGAATTGAAAAGACTTTCATACATCTCAGA
P_AAZ52207	1321	AATTCCTTCTTTGCGCCGACTAGACTTAGGGGAATTGAAAAGACTTTCATACATCTCAGA
DNA40981	1381	AGGTGCCTTTGAAGGTCTGTCCAACTTGAGGTATTTGAACCTTGCCATGTGCAACCTTCG
P_AAZ52207	1381	AGGTGCCTTTGAAGGTCTGTCCAACTTGAGGTATTTGAACCTTGCCATGTGCAACCTTCG
DNA40981	1441	GGAAATCCCTAACCTCACACCGCTCATAAAACTAGATGAGCTGGATCTTTCTGGGAATCA
P_AAZ52207	1441	GGAAATCCCTAACCTCACACCGCTCATAAAACTAGATGAGCTGGATCTTTCTGGGAATCA
DNA40981	1501	TTTATCTGCCATCAGGCCTGGCTCTTTCCAGGGTTTGATGCACCTTCAAAAACTGTGGAT
P_AAZ52207	1501	TTTATCTGCCATCAGGCCTGGCTCTTTCCAGGGTTTGATGCACCTTCAAAAACTGTGGAT
DNA40981	1561	GATACAGTCCCAGATTCAAGTGATTGAACGGAATGCCTTTGACAACCTTCAGTCACTAGT
P_AAZ52207	1561	GATACAGTCCCAGATTCAAGTGATTGAACGGAATGCCTTTGACAACCTTCAGTCACTAGT
DNA40981	1621	GGAGATCAACCTGGCACACAATAATCTAACATTACTGCCTCATGACCTCTTCACTCCCTT
P_AAZ52207	1621	GGAGATCAACCTGGCACACAATAATCTAACATTACTGCCTCATGACCTCTTCACTCCCTT
DNA40981	1681	GCATCATCTAGAGCGGATACATTTACATCACAACCCTTGGAACTGTAACTGTGACATACT
P_AAZ52207	1681	GCATCATCTAGAGCGGATACATTTACATCACAACCCTTGGAACTGTAACTGTGACATACT
DNA40981	1741	GTGGCTCAGCTGGTGGATAAAAGACATGGCCCCCTCGAACACAGCTTGTTGTGCCCGGTG
P_AAZ52207	1741	$\tt GTGGCTCAGCTGGTTGAAAAGACATGGCCCCCTCGAACACAGCTTGTTGTGCCCGGTG$
DNA40981	1801	TAACACTCCTCCCAATCTAAAGGGGAGGTACATTGGAGAGCTCGACCAGAATTACTTCAC
P_AAZ52207	1801	${\tt TAACACTCCTCCCAATCTAAAGGGGAGGTACATTGGAGAGCTCGACCAGAATTACTTCACCCCCCCC$
DNA40981	1861	ATGCTATGCTCCGGTGATTGTGGAGCCCCCTGCAGACCTCAATGTCACTGAAGGCATGGC
P_AAZ52207	1861	ATGCTATGCTCCGGTGATTGTGGAGCCCCCTGCAGACCTCAATGTCACTGAAGGCATGGC
DNA40981	1921	AGCTGAGCTGAAATGTCGGGCCTCCACATCCCTGACATCTGTATCTTGGATTACTCCAAA
P_AAZ52207	1921	AGCTGAGCTGAAATGTCGGGCCTCCACATCCCTGACATCTGTATCTTGGATTACTCCAAA
DNA40981	1981	TGGAACAGTCATGACACATGGGGCGTACAAAGTGCGGATAGCTGTGCTCAGTGATGGTAC ************************************
P_AAZ52207	1981	TGGAACAGTCATGACACATGGGGCGTACAAAGTGCGGATAGCTGTGCTCAGTGATGGTAC
DNA40981	2041	GTTAAATTTCACAAATGTAACTGTGCAAGATACAGGCATGTACACATGTATGGTGAGTAA ************************
P_AAZ52207	2041	GTTAAATTTCACAAATGTAACTGTGCAAGATACAGGCATGTACACATGTATGGTGAGTAA
DNA40981	2101	TTCCGTTGGGAATACTACTGCTTCAGCCACCCTGAATGTTACTGCAGCAACCACTACTCC **************************
P_AAZ52207	2101	TTCCGTTGGGAATACTACTGCTTCAGCCACCCTGAATGTTACTGCAGCAACCACTACTCC

•		
DNA40981		TTTCTCTTACTTTCAACCGTCACAGTAGAGACTATGGAACCGTCTCAGGATGAGGCACG
P_AAZ52207	2161	TTTCTCTTACTTTTCAACCGTCACAGTAGAGACTATGGAACCGTCTCAGGATGAGGCACG
DNA40981		GACCACAGATAACAATGTGGGTCCCACTCCAGTGGTCGACTGGGAGACCACCAATGTGAC ************************************
P_AAZ52207	2221	GACCACAGATAACAATGTGGGTCCCACTCCAGTGGTCGACTGGGAGACCACCAATGTGAC
DNA40981		CACCTCTCTCACACCACAGAGCACAAGGTCGACAGAGAAAACCTTCACCATCCCAGTGAC ************************************
P_AAZ52207	2281	CACCTCTCTCACACCACAGAGCACAAGGTCGACAGAGAAAACCTTCACCATCCCAGTGAC
DNA40981		TGATATAAACAGTGGGATCCCAGGAATTGATGAGGTCATGAAGACTACCAAAATCATCAT **********************
P_AAZ52207	2341	TGATATAAACAGTGGGATCCCAGGAATTGATGAGGTCATGAAGACTACCAAAATCATCAT
DNA40981		TGGGTGTTTTGTGGCCATCACACTCATGGCTGCAGTGATGCTGGTCATTTTCTACAAGAT **********************************
P_AAZ52207		TGGGTGTTTTGTGGCCATCACACTCATGGCTGCAGTGATGCTGGTCATTTTCTACAAGAT
DNA40981		GAGGAAGCAGCACCATCGGCAAAACCATCACGCCCCAACAAGGACTGTTGAAATTATTAA ************************
P_AAZ52207	2461	GAGGAAGCACCATCGGCAAAACCATCACGCCCCAACAAGGACTGTTGAAATTATTAA
DNA40981	2521	TGTGGATGAGATTACGGGAGACACACCCATGGAAAGCCACCTGCCCATGCCTAT **********************************
P_AAZ52207	2521	TGTGGATGAGATTACGGGAGACACCCCATGGAAAGCCACCTGCCCATGCCTAT
DNA40981	2581	CGAGCATGAGCACCTAAATCACTATAACTCATACAAATCTCCCTTCAACCACAACA
P_AAZ52207	2581	CGAGCATGAGCACCTAAATCACTATAACTCATACAAATCTCCCTTCAACCACACAACA
DNA40981	2641	AGTTAACACAATAAATTCAATACACAGTTCAGTGCATGAACCGTTATTGATCCGAATGAA
P_AAZ52207	2641	AGTTAACACAATAAATTCAATACACAGTTCAGTGCATGAACCGTTATTGATCCGAATGAA
DNA40981	2701	CTCTAAAGACAATGTACAAGAGACTCAAATCTAAAACATTTACAGAGTTACAAAAAACAA
P_AAZ52207	2701	CTCTAAAGACAATGTACAAGAGACTCAAATCTAAAACATTTACAGAGTTACAAAAAAACAA
DNA40981	2761	ACAATCAAAAAAAAGACAGTTTATTAAAAATGACACAAATGACTGGGCTAAATCTACTG
P_AAZ52207	2761	ACAATCAAAAAAAAGACAGTTTATTAAAAATGACACAAATGACTGGGCTAAATCTACTG
DNA40981	2821	TTTCAAAAAGTGTCTTTACAAAAAACAAAAAGAAAAGAA
P_AAZ52207	2821	TTTCAAAAAAGTGTCTTTACAAAAAAACAAAAAAGAAAAGAAAATTTATTT
DNA40981	2881	CTATTGTGATCTAAAGCAGACAAAA *******************
P_AAZ52207	2881	CTATTGTGATCTAAAGCAGACAAAAA
(2906 bp) [Score = 29	1 seg	man PRO331 cDNA sequence SEQ ID NO:106. DNA, PAT 07-NOV-2000] 761 bits), Expect = 0.0 06/2906 (100%), at 1,1-2906,2906, Strand +/+
DNA40981	1	GGGGAGAGGAATTGACCATGTAAAAGGAGACTTTTTTTTT
P_AAA77596	1	GGGGAGAGGAATTGACCATGTAAAAGGAGACTTTTTTTTT
DNA40981	61	TGCCTTGCAAAAATGAAGGATGCAGGACGCAGCTTTCTCCTGGAACCGAACGCAATGGAT
P_AAA77596	61	TGCCTTGCAAAAATGAAGGATGCAGGACGCAGCTTTCTCCTGGAACCGAACGCAATGGAT

DNA40981	121	AAACTGATTGTGCAAGAGAAGGAAGGAACGAAGCTTTTTCTTGTGAGCCCTGGATCTTA
P_AAA77596	121	AAACTGATTGTGCAAGAGAAGGAAGGAAGGAAGCTTTTTCTTGTGAGCCCTGGATCTTA
DNA40981	181	ACACAAATGTGTATATGTGCACACAGGGAGCATTCAAGAATGAAATAAACCAGAGTTAGA
P_AAA77596	181	ACACAAATGTGTATATGTGCACACAGGGAGCATTCAAGAATGAAATAAACCAGAGTTAGA
DNA40981	. 241	CCCGCGGGGGTTGGTGTTCTGACATAAATAATAATCTTAAAGCAGCTGTTCCCCTCC
P_AAA77596	241	CCCGCGGGGGTTGGTGTTCTGACATAAATAATAATCTTAAAGCAGCTGTTCCCCTCC
DNA40981	. 301	CCACCCCAAAAAAAAGGATGATTGGAAATGAAGAACCGAGGATTCACAAAGAAAAAGT
P_AAA77596	301	CCACCCCAAAAAAAGGATGATTGGAAATGAAGAACCGAGGATTCACAAAGAAAAAGT
DNA40981	361	ATGTTCATTTTCTCTATAAAGGAGAAAGTGAGCCAAGGAGATATTTTTGGAATGAAAAG
P_AAA77596	361	ATGTTCATTTTCTCTATAAAGGAGAAAGTGAGCCAAGGAGATATTTTTGGAATGAAAAG
DNA40981	421	TTTGGGGCTTTTTTAGTAAAGTAAAGAACTGGTGTGGTG
P_AAA77596	421	${\tt TTTGGGGCTTTTTTAGTAAAGTAAAGAACTGGTGTGTGTG$
DNA40981	481	TTTCCCACAAGAGGGGGGGAATTAATAATACATCTGCAAAGAAATTTCAGAGAAGAAA
P_AAA77596	481	TTTCCCACAAGAGAGAGAAATTAATAATACATCTGCAAAGAAATTTCAGAGAAGAAAA
DNA40981	541	GTTGACCGCGGCAGATTGAGGCATTGGTTGGGGGAGAAACCAGCAGAGCACAGTTGGA
P_AAA77596	541	$\tt GTTGACCGCGGCAGATTGAGGCATTGATTGGGGGGAGAAACCAGCAGGAGCACAGTTGGA$
DNA40981	601	TTTGTGCCTATGTTGACTAAAATTGACGGATAATTGCAGTTGGATTTTTCTTCATCAACC
P_AAA77596	601	$\tt TTTGTGCCTATGTTGACTAAAATTGACGGATAATTGCAGTTGGATTTTTCTTCATCAACC$
DNA40981	661	TCCTTTTTTTAAATTTTTATTCCTTTTGGTATCAAGATCATGCGTTTTCTCTTGTTCTT ********************
P_AAA77596	661	${\tt TCCTTTTTTTAAATTTTTATTCCTTTTGGTATCAAGATCATGCGTTTTCTCTTTTTTTT$
DNA40981	721	AACCACCTGGATTTCCATCTGGATGTTGCTGTGATCAGTCTGAATACAACTGTTTGAAT
P_AAA77596	721	${\tt AACCACCTGGATTTCCATCTGGATGTTGCTGTGATCAGTCTGAAATACAACTGTTTGAAT}$
DNA40981	781	TCCAGAAGGACCAACACCAGATAAATTATGAATGTTGAACAAGATGACCTTACATCCACA
P_AAA77596	781	${\tt TCCAGAAGGACCAACACCAGATAAATTATGAATGTTGAACAAGATGACCTTACATCCACA}$
DNA40981	841	GCAGATAATGATAGGTCCTAGGTTTAACAGGGCCCTATTTGACCCCCTGCTTGTGGTGCT
P_AAA77596	841	${\tt GCAGATAATGATAGGTCCTAGGTTTAACAGGGCCCTATTTGACCCCCTGCTTGTGGTGCT}$
DNA40981	901	GCTGGCTCTTCAACTTCTTGTGGTGGCTGGTCTGGTGCGGCTCAGACCTGCCCTTCTGT
P_AAA77596	901	GCTGGCTCTTCAACTTCTTGTGGTGGCTGGTCTGGTGCGGGCTCAGACCTGCCCTTCTGT
DNA40981	961	GTGCTCCTGCAGCAACCAGTTCAGCAAGGTGATTTGTGTTCGGAAAAACCTGCGTGAGGT ********************************
P_AAA77596	961	GTGCTCCTGCAGCAACCAGTTCAGCAAGGTGATTTGTGTTCGGAAAAACCTGCGTGAGGT
DNA40981	1021	TCCGGATGGCATCTCCACCAACACACGCTGCTGAACCTCCATGAGAACCAAATCCAGAT
P_AAA77596	1021	${\tt TCCGGATGGCATCTCCACCAACACACGGCTGCTGAACCTCCATGAGAACCAAATCCAGAT}$

DNA40981	1081	CATCAAAGTGAACAGCTTCAAGCACTTGAGGCACTTGGAAATCCTACAGTTGAGTAGGAA
P_AAA77596	1081	CATCAAAGTGAACAGCTTCAAGCACTTGAGGCACTTGGAAATCCTACAGTTGAGTAGGAA
DNA40981	1141	CCATATCAGAACCATTGAAATTGGGGCTTTCAATGGTCTGGCGAACCTCAACACTCTGGA
P_AAA77596	1141	CCATATCAGAACCATTGAAATTGGGGCTTTCAATGGTCTGGCGAACCTCAACACTCTGGA
DNA40981	1201	ACTCTTTGACAATCGTCTTACTACCATCCCGAATGGAGCTTTTGTATACTTGTCTAAACT
P_AAA77596	1201	ACTCTTTGACAATCGTCTTACTACCATCCCGAATGGAGCTTTTGTATACTTGTCTAAACT
DNA40981	1261	GAAGGAGCTCTGGTTGCGAAACAACCCCATTGAAAGCATCCCTTCTTATGCTTTTAACAG
P_AAA77596	1261	GAAGGAGCTCTGGTTGCGAAACAACCCCATTGAAAGCATCCCTTCTTATGCTTTTAACAG
DNA40981	1321	AATTCCTTCTTTGCGCCGACTAGACTTAGGGGAATTGAAAAGACTTTCATACATCTCAGA
P_AAA77596	1321	AATTCCTTCTTTGCGCCGACTAGACTTAGGGGAATTGAAAAGACTTTCATACATCTCAGA
DNA40981	1381	AGGTGCCTTTGAAGGTCTGTCCAACTTGAGGTATTTGAACCTTGCCATGTGCAACCTTCG
P_AAA77596	1381	AGGTGCCTTTGAAGGTCTGTCCAACTTGAGGTATTTGAACCTTGCCATGTGCAACCTTCG
DNA40981	1441	GGAAATCCCTAACCTCACACCGCTCATAAAACTAGATGAGCTGGATCTTTCTGGGAATCA
P_AAA77596	1441	GGAAATCCCTAACCTCACACCGCTCATAAAACTAGATGAGCTGGATCTTTCTGGGAATCA
DNA40981	1501	TTTATCTGCCATCAGGCCTGGCTCTTTCCAGGGTTTGATGCACCTTCAAAAACTGTGGAT
P_AAA77596	1501	TTTATCTGCCATCAGGCCTGTTTCCAGGGTTTGATGCACCTTCAAAAACTGTGGAT
DNA40981	1561	GATACAGTCCCAGATTCAAGTGATTGAACGGAATGCCTTTGACAACCTTCAGTCACTAGT
P_AAA77596	1561	GATACAGTCCCAGATTCAAGTGATTGAACGGAATGCCTTTGACAACCTTCAGTCACTAGT
DNA40981	1621	GGAGATCAACCTGGCACACAATAATCTAACATTACTGCCTCATGACCTCTTCACTCCCTT
P_AAA77596	1621	GGAGATCAACCTGGCACACAATAATCTAACATTACTGCCTCATGACCTCTTCACTCCCTT
DNA40981	1681	GCATCATCTAGAGCGGATACATTTACATCACAACCCTTGGAACTGTAACTGTGACATACT
P_AAA77596	1681	${\tt GCATCATCTAGAGCGGATACATTTACATCACAACCCTTGGAACTGTAACTGTGACATACT}$
DNA40981	1741	GTGGCTCAGCTGGTGGATAAAAGACATGGCCCCCTCGAACACAGCTTGTTGTGCCCGGTG
P_AAA77596	1741	GTGGCTCAGCTGGTGGATAAAAGACATGGCCCCTCGAACACAGCTTGTTGTGCCCGGTG
DNA40981	1801	TAACACTCCTCCCAATCTAAAGGGGAGGTACATTGGAGAGCTCGACCAGAATTACTTCAC
P_AAA77596	1801	${\tt TAACACTCCTCCCAATCTAAAGGGGAGGTACATTGGAGAGCTCGACCAGAATTACTTCAC}$
DNA40981	1861	ATGCTATGCTCCGGTGATTGTGGAGCCCCCTGCAGACCTCAATGTCACTGAAGGCATGGC
P_AAA77596	1861	ATGCTATGCTCCGGTGATTGTGGAGCCCCCTGCAGACCTCAATGTCACTGAAGGCATGGC
DNA40981	1921	AGCTGAGCTGAAATGTCGGGCCTCCACATCCCTGACATCTGTATCTTGGATTACTCCAAA
P_AAA77596	1921	AGCTGAGCTGAAATGTCGGGCCTCCACATCCCTGACATCTGTATCTTGGATTACTCCAAA
DNA40981	1981	TGGAACAGTCATGACACATGGGGCGTACAAAGTGCGGATAGCTGTGCTCAGTGATGGTAC
P_AAA77596	1981	TGGAACAGTCATGACACATGGGGCGTACAAAGTGCGGATAGCTGTGCTCAGTGATGGTAC

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DNA40981	2041	GTTAAATTTCACAAATGTAACTGTGCAAGATACAGGCATGTACACATGTATGGTGAGTAA
P_AAA77596	2041	GTTAAATTTCACAAATGTAACTGTGCAAGATACAGGCATGTACACATGTATGGTGAGTAA
DNA40981	2101	TTCCGTTGGGAATACTACTGCTTCAGCCACCCTGAATGTTACTGCAGCAACCACTACTCC
P_AAA77596	2101	TTCCGTTGGGAATACTACTGCTTCAGCCACCCTGAATGTTACTGCAGCAACCACTACTCC
DNA40981	2161	TTTCTCTTACTTTTCAACCGTCACAGTAGAGACTATGGAACCGTCTCAGGATGAGGCACG
P_AAA77596	2161	TTTCTCTTACTTTTCAACCGTCACAGTAGAGACTATGGAACCGTCTCAGGATGAGGCACG
DNA40981	2221	GACCACAGATAACAATGTGGGTCCCACTCCAGTGGTCGACTGGGAGACCACCAATGTGAC
P_AAA77596	2221	GACCACAGATAACAATGTGGGTCCCACTCCAGTGGTCGACTGGGAGACCACCAATGTGAC
DNA40981	2281	CACCTCTCTCACACCACAGAGCACAAGGTCGACAGAGAAAACCTTCACCATCCCAGTGAC
P_AAA77596	2281	CACCTCTCTCACACCACAGAGCACAAGGTCGACAGAGAAAAACCTTCACCATCCCAGTGAC
DNA40981	2341	TGATATAAACAGTGGGATCCCAGGAATTGATGAGGTCATGAAGACTACCAAAATCATCAT
P_AAA77596	2341	TGATATAAACAGTGGGATCCCAGGAATTGATGAGGTCATGAAGACTACCAAAATCATCAT
DNA40981	2401	TGGGTGTTTTGTGGCCATCACACTCATGGCTGCAGTGATGCTGGTCATTTTCTACAAGAT
P_AAA77596	2401	TGGGTGTTTTGTGGCCATCACACTCATGGCTGCAGTGATGCTGGTCATTTTCTACAAGAT
DNA40981	2461	GAGGAAGCAGCACCATCGGCAAAACCATCACGCCCCAACAAGGACTGTTGAAATTATTAA
P_AAA77596	2461	GAGGAAGCACCATCGGCAAAACCATCACGCCCCAACAAGGACTGTTGAAATTATTAA
DNA40981	2521	TGTGGATGAGATTACGGGAGACACACCCATGGAAAGCCACCTGCCCATGCCTAT
P_AAA77596	2521	TGTGGATGATGAGATTACGGGAGACACCCATGGAAAGCCACCTGCCCATGCCTAT
DNA40981	2581	CGAGCATGAGCACCTAAATCACTATAACTCATACAAATCTCCCTTCAACCACAACA
P_AAA77596	2581	CGAGCATGAGCACCTAAATCACTATAACTCATACAAATCTCCCTTCAACCACC
DNA40981	2641	AGTTAACACAATAAATTCAATACACAGTTCAGTGCATGAACCGTTATTGATCCGAATGAA
P_AAA77596	2641	AGTTAACACAATAAATTCAATACACAGTTCAGTGCATGAACCGTTATTGATCCGAATGAA
DNA40981	2701	CTCTAAAGACAATGTACAAGAGACTCAAATCTAAAACATTTACAGAGTTACAAAAAACAA
P_AAA77596	2701	CTCTAAAGACAATGTACAAGAGACTCAAATCTAAAACATTTACAGAGTTACAAAAAAACAA
DNA40981	2761	ACAATCAAAAAAAAAGACAGTTTATTAAAAATGACACAAATGACTGGGCTAAATCTACTG
P_AAA77596	2761	ACAATCAAAAAAAAAGACAGTTTATTAAAAATGACACAAATGACTGGGCTAAATCTACTG
DNA40981	2821	TTTCAAAAAGTGTCTTTACAAAAAACAAAAAAGAAAGAAA
P_AAA77596	2821	TTTCAAAAAAGTGTCTTTACAAAAAAACAAAAAAGAAAAGAAATTTATTT
DNA40981	2881	CTATTGTGATCTAAAGCAGACAAAA
P_AAA77596	2881	CTATTGTGATCTAAAGCAGACAAAAA
(2906 bp) [1 seg]	ptein PRO331 cDNA clone DNA40981-1234. DNA, PAT 25-JUN-1999 761 bits), Expect = 0.0

Identities	= 29	06/2906 (100%), at 1,1-2906,2906, Strand +/+
DNA40981	1	GGGGAGAGGAATTGACCATGTAAAAGGAGACTTTTTTTTT
P_AAX52265	1	GGGGAGAGGAATTGACCATGTAAAAGGAGACTTTTTTTTT
DNA40981	61	TGCCTTGCAAAAATGAAGGATGCAGGACGCAGCTTTCTCCTGGAACCGAACGCAATGGAT
P_AAX52265	61	TGCCTTGCAAAAATGAAGGATGCAGGACGCAGCTTTCTCCTGGAACCGAACGCAATGGAT
DNA40981	121	AAACTGATTGTGCAAGAGAAGGAAGGAACGAAGCTTTTTCTTGTGAGCCCTGGATCTTA *********************************
P_AAX52265	121	AAACTGATTGTGCAAGAGAAGGAAGGAACGAAGCTTTTTCTTGTGAGCCCTGGATCTTA
DNA40981		ACACAAATGTGTATATGTGCACACAGGGAGCATTCAAGAATGAAATAAACCAGAGTTAGA ******************************
P_AAX52265	181	ACACAAATGTGTATATGTGCACACAGGGAGCATTCAAGAATGAAATAAACCAGAGTTAGA
DNA40981		CCCGCGGGGTTGGTGTTCTGACATAAATAATCTTAAAGCAGCTGTTCCCCTCC **************************
P_AAX52265	241	CCCGCGGGGGTTGGTGTTCTGACATAAATAAATAATCTTAAAGCAGCTGTTCCCCTCC
DNA40981	301	CCACCCCAAAAAAAAGGATGATTGGAAATGAAGAACCGAGGATTCACAAAGAAAAAGT ****************************
P_AAX52265	301	CCACCCCAAAAAAAAGGATGATTGGAAATGAAGAACCGAGGATTCACAAAGAAAAAGT
DNA40981	361	ATGTTCATTTTTCTCTATAAAGGAGAAAGTGAGCCAAGGAGATATTTTTGGAATGAAAAG
P_AAX52265	361	ATGTTCATTTTTCTCTATAAAGGAGAAAGTGAGCCAAGGAGATATTTTTGGAATGAAAAG
DNA40981	421	TTTGGGGCTTTTTTAGTAAAGTAAAGAACTGGTGTGGTG
P_AAX52265	421	${\tt TTTGGGGCTTTTTTAGTAAAGTAAAGAACTGGTGTGTGTG$
DNA40981	481	TTTCCCACAAGAGGAGGAAATTAATAATACATCTGCAAAGAAATTTCAGAGAAGAAAA
P_AAX52265	481	TTTCCCACAAGAGGAGGAAATTAATAATACATCTGCAAAGAAATTTCAGAGAAGAAAA
DNA40981	541	GTTGACCGCGGCAGATTGAGGCATTGATTGGGGGAGAAACCAGCAGAGCACAGTTGGA ********************************
P_AAX52265	541	GTTGACCGCGGCAGATTGAGGCATTGATTGGGGGAGAAACCAGCAGAGCACAGTTGGA
DNA40981	601	TTTGTGCCTATGTTGACTAAAATTGACGGATAATTGCAGTTGGATTTTTCTTCATCAACC **********************
P_AAX52265	601	TTTGTGCCTATGTTGACTAAAATTGACGGATAATTGCAGTTGGATTTTTCTTCATCAACC
DNA40981	661	TCCTTTTTTTAAATTTTTATTCCTTTTGGTATCAAGATCATGCGTTTTCTCTTGTTCTT ********************
P_AAX52265	661	TCCTTTTTTTTAAATTTTTATTCCTTTTGGTATCAAGATCATGCGTTTTCTCTTTGTTCTT
DNA40981	721	AACCACCTGGATTTCCATCTGGATGTTGCTGTGATCAGTCTGAAATACAACTGTTTGAAT ******************************
P_AAX52265	721	AACCACCTGGATTTCCATCTGGATGTTGCTGTGATCAGTCTGAAATACAACTGTTTGAAT
DNA40981	781	TCCAGAAGGACCAACACCAGATAAATTATGAATGTTGAACAAGATGACCTTACATCCACA *************************
P_AAX52265	781	TCCAGAAGGACCAACACCAGATAAATTATGAATGTTGAACAAGATGACCTTACATCCACA
DNA40981	841	GCAGATAATGATAGGTCCTAGGTTTAACAGGGCCCTATTTGACCCCCTGCTTGTGGTGCT *********************
P_AAX52265	841	GCAGATAATGATAGGTCCTAGGTTTAACAGGGCCCTATTTGACCCCCTGCTTGTGGTGCT
DNA40981	901	GCTGGCTCTTCAACTTCTTGTGGTGGCTGGTCTGGTGCGGGCTCAGACCTGCCCTTCTGT **************************

P_AAX52265	901	GCTGGCTCTTCAACTTCTTGTGGTGGCTGGTCTGGTGCGGGCTCAGACCTGCCCTTCTGT	
DNA40981	961	GTGCTCCTGCAGCAACCAGTTCAGCAAGGTGATTTGTGTTCGGAAAAACCTGCGTGAGGT	
P_AAX52265	961	GTGCTCCTGCAGCAACCAGTTCAGCAAGGTGATTTGTGTTCGGAAAAACCTGCGTGAGGT	
DNA40981	1021	TCCGGATGGCATCTCCACCAACACACGGCTGCTGAACCTCCATGAGAACCAAATCCAGAT	
P_AAX52265	1021	TCCGGATGGCATCTCCACCAACACACGGCTGCTGAACCTCCATGAGAACCAAATCCAGAT	
DNA40981	1081	CATCAAAGTGAACAGCTTCAAGCACTTGAGGCACTTGGAAATCCTACAGTTGAGTAGGAA	
P_AAX52265	1081	CATCAAAGTGAACAGCTTCAAGCACTTGAGGCACTTGGAAATCCTACAGTTGAGTAGGAA	
DNA40981	1141	CCATATCAGAACCATTGAAATTGGGGCTTTCAATGGTCTGGCGAACCTCAACACTCTGGA	(
P_AAX52265	1141	CCATATCAGAACCATTGAAATTGGGGCTTTCAATGGTCTGGCGAACCTCAACACTCTGGA	
DNA40981	1201	ACTCTTTGACAATCGTCTTACTACCATCCGAATGGAGCTTTTGTATACTTGTCTAAACT	
P_AAX52265	1201	ACTCTTTGACAATCGTCTTACTACCATCCCGAATGGAGCTTTTGTATACTTGTCTAAACT	
DNA40981	1261	GAAGGAGCTCTGGTTGCGAAACAACCCCATTGAAAGCATCCCTTCTTATGCTTTTAACAG **********************************	
P_AAX52265	1261	GAAGGAGCTCTGGTTGCGAAACAACCCCATTGAAAGCATCCCTTCTTATGCTTTTAACAG	
DNA40981	1321	AATTCCTTCTTTGCGCCGACTAGACTTAGGGGAATTGAAAAGACTTTCATACATCTCAGA	
P_AAX52265		AATTCCTTCTTTGCGCCGACTAGACTTAGGGGGAATTGAAAAGACTTTCATACATCTCAGA	
DNA40981	1381	AGGTGCCTTTGAAGGTCTGTCCAACTTGAGGTATTTGAACCTTGCCATGTGCAACCTTCG	
P_AAX52265	1381	AGGTGCCTTTGAAGGTCTGTCCAACTTGAGGTATTTGAACCTTGCCATGTGCAACCTTCC	
DNA40981	1441	GGAAATCCCTAACCTCACACCGCTCATAAAACTAGATGAGCTGGATCTTTCTGGGAATCA	
P_AAX52265	1441	GGAAATCCCTAACCTCACACCGCTCATAAAACTAGATGAGCTGGATCTTTCTGGGAATCA	
DNA40981	1501	TTTATCTGCCATCAGGCCTGGCTCTTTCCAGGGTTTGATGCACCTTCAAAAACTGTGGAT	
P_AAX52265	1501	TTTATCTGCCATCAGGCCTGGCTCTTTCCAGGGTTTGATGCACCTTCAAAAACTGTGGAT	
DNA40981	1561	GATACAGTCCCAGATTCAAGTGATTGAACGGAATGCCTTTGACAACCTTCAGTCACTAGT	
P_AAX52265	1561	GATACAGTCCCAGATTCAAGTGATTGAACGGAATGCCTTTGACAACCTTCAGTCACTAGT	
DNA40981	1621	GGAGATCAACCTGGCACACAATAATCTAACATTACTGCCTCATGACCTCTTCACTCCCTT	
P_AAX52265	1621	GGAGATCAACCTGGCACAATAATCTAACATTACTGCCTCATGACCTCTTCACTCCCTT	
DNA40981	1681	GCATCATCTAGAGCGGATACATTTACATCACAACCCTTGGAACTGTAACTGTGACATACT ********************************	
P_AAX52265	1681	GCATCATCTAGAGCGGATACATTTACATCACAACCCTTGGAACTGTAACTGTGACATACT	
DNA40981	1741	GTGGCTCAGCTGGTGGATAAAAGACATGGCCCCCTCGAACACAGCTTGTTGTGCCCGGTG **********************	
P_AAX52265	1741	GTGGCTCAGCTGGTGGATAAAAGACATGGCCCCCTCGAACACAGCTTGTTGTGCCCGGTG	
DNA40981	1801	TAACACTCCTCCCAATCTAAAGGGGAGGTACATTGGAGAGCTCGACCAGAATTACTTCAC ****************************	
P_AAX52265	1801	TAACACTCCTCCCAATCTAAAGGGGAGGTACATTGGAGAGCTCGACCAGAATTACTTCAC	
DNA40981	1861	ATGCTATGCTCCGGTGATTGTGGAGCCCCCTGCAGACCTCAATGTCACTGAAGGCATGGC ***********************************	

P_AAX52265	1861	${\tt ATGCTATGCTCCGGTGATTGTGGAGCCCCCTGCAGACCTCAATGTCACTGAAGGCATGGC}$
DNA40981	1921	AGCTGAGCTGAAATGTCGGGCCTCCACATCCCTGACATCTGTATCTTGGATTACTCCAAA
P_AAX52265	1921	AGCTGAGCTGAAATGTCGGGCCTCCACATCCCTGACATCTGTATCTTGGATTACTCCAAA
DNA40981	1981	TGGAACAGTCATGACACATGGGGCGTACAAAGTGCGGATAGCTGTGCTCAGTGATGGTAC
P_AAX52265	1981	
DNA40981	2041	GTTAAATTTCACAAATGTAACTGTGCAAGATACAGGCATGTACACATGTATGGTGAGTAA
P_AAX52265	2041	GTTAAATTTCACAAATGTAACTGTGCAAGATACAGGCATGTACACATGTATGGTGAGTAA
DNA40981	2101	TTCCGTTGGGAATACTACTGCTTCAGCCACCCTGAATGTTACTGCAGCAACCACTACTCC
P_AAX52265	2101	TTCCGTTGGGAATACTACTGCTTCAGCCACCCTGAATGTTACTGCAGCAACCACTACTCC
DNA40981	2161	TTTCTCTTACTTTCAACCGTCACAGTAGAGACTATGGAACCGTCTCAGGATGAGGCACG
P_AAX52265	2161	TTTCTCTTACTTTCAACCGTCACAGTAGAGACTATGGAACCGTCTCAGGATGAGGCACG
DNA40981	2221	GACCACAGATAACAATGTGGGTCCCACTCCAGTGGTCGACTGGGAGACCACCAATGTGAC
P_AAX52265	2221	${\tt GACCACAGATAACAATGTGGGTCCCACTCCAGTGGTCGACTGGGAGACCACCAATGTGAC}$
DNA40981	2281	CACCTCTCTCACACCACAGAGCACAAGGTCGACAGAGAAAACCTTCACCATCCCAGTGAC
P_AAX52265	2281	${\tt CACCTCTCACACCACAGAGCACAAGGTCGACAGAGAAAACCTTCACCATCCCAGTGAC}$
DNA40981	2341	TGATATAAACAGTGGGATCCCAGGAATTGATGAGGTCATGAAGACTACCAAAATCATCAT **********************
P_AAX52265	2341	${\tt TGATATAAACAGTGGGATCCCAGGAATTGATGAGGGTCATGAAGACTACCAAAATCATCAT}$
DNA40981	2401	TGGGTGTTTTGTGGCCATCACACTCATGGCTGCAGTGATGCTGGTCATTTTCTACAAGAT **********************************
P_AAX52265	2401	$\tt TGGGTGTTTTGTGGCCATCACACTCATGGCTGCAGTGATGCTGGTCATTT\dot{C}TACAAGAT$
DNA40981	2461	GAGGAAGCACCATCGGCAAAACCATCACGCCCCAACAAGGACTGTTGAAATTATTAA
P_AAX52265	2461	${\tt GAGGAAGCACCATCGGCAAAACCATCACGCCCCAACAAGGACTGTTGAAATTATTAA}$
DNA40981	2521	TGTGGATGATGAGATTACGGGAGACACCACCCATGGAAAGCCACCTGCCCATGCCTGCTAT
P_AAX52265	2521	${\tt TGTGGATGATGAGATTACGGGAGACACCCCATGGAAAGCCACCTGCCCATGCCTAT}$
DNA40981	2581	CGAGCATGAGCACCTAAATCACTATAACTCATACAAATCTCCCTTCAACCACAACA
P_AAX52265	2581	CGAGCATGAGCACCTAAATCACTATAACTCATACAAATCTCCCTTCAACCACAACA
DNA40981	2641	AGTTAACACAATAAATTCAATACACAGTTCAGTGCATGAACCGTTATTGATCCGAATGAA
P_AAX52265	2641	AGTTAACACAATAAATTCAATACACAGTTCAGTGCATGAACCGTTATTGATCCGAATGAA
DNA40981	2701	CTCTAAAGACAATGTACAAGAGACTCAAATCTAAAACATTTACAGAGTTACAAAAAACAA
P_AAX52265	2701	CTCTAAAGACAATGTACAAGAGACTCAAATCTAAAACATTTACAGAGTTACAAAAAACAA
DNA40981	2761	ACAATCAAAAAAAAAGACAGTTTATTAAAAAATGACACAAATGACTGGGCTAAATCTACTG
P_AAX52265	2761	ACAATCAAAAAAAAAAGACAGTTTATTAAAAAATGACACAAATGACTGGGCTAAATCTACTG
DNA40981	2821	TTTCAAAAAAGTGTCTTTACAAAAAAACAAAAAAGAAAAGAAATTTATTT

P_AAX52265 2881 CTATTGTGATCTAAAGCAGACAAAAA

>7 AX098385 Sequence 11 from Patent WO0119991. (2906 bp) [1 seg] Score = 2906 (5761 bits), Expect = 0.0 Identities = 2906/2906 (100%) at 1.1-2906 2906 Strand +/+

Identities	= 29	06/2906 (100%), at 1,1-2906,2906, Strand +/+
DNA40981	1	GGGGAGAGGAATTGACCATGTAAAAGGAGACTTTTTTTTT
AX098385	1	${\tt GGGGAGAGGAATTGACCATGTAAAAGGAGACTTTTTTTTT$
DNA40981	61	TGCCTTGCAAAAATGAAGGATGCAGGACGCAGCTTTCTCCTGGAACCGAACGCAATGGAT
AX098385	61	$\tt TGCCTTGCAAAAATGAAGGATGCAGGACGCAGCTTTCTCCTGGAACCGAACGCAATGGAT$
DNA40981	121	AAACTGATTGTGCAAGAGAAGGAAGGAAGCGAAGCTTTTTCTTGTGAGCCCTGGATCTTA
AX098385	121	${\tt AAACTGATTGTGCAAGAGAAGGAAGGAAGCTTTTTCTTGTGAGCCCTGGATCTTA}$
DNA40981	181	ACACAAATGTGTATATGTGCACACAGGGAGCATTCAAGAATGAAATAAACCAGAGTTAGA
AX098385	181	ACACAAATGTGTATATGTGCACACAGGGAGCATTCAAGAATGAAATAAACCAGAGTTAGA
DNA40981	241	CCCGCGGGGTTGGTGTTCTGACATAAATAATAATCTTAAAGCAGCTGTTCCCCTCC
AX098385	241	CCCGCGGGGGTTGGTGTTCTGACATAAATAAATAATCTTAAAGCAGCTGTTCCCCTCC
DNA40981	301	CCACCCCAAAAAAAAGGATGATTGGAAATGAAGAACCGAGGATTCACAAAGAAAAAGT
AX098385	301	CCACCCCAAAAAAAAGGATGATTGGAAATGAAGAACCGAGGATTCACAAAGAAAAAGT
DNA40981	361	ATGTTCATTTTCTCTATAAAGGAGAAAGTGAGCCAAGGAGATATTTTTGGAATGAAAAG
AX098385	361	ATGTTCATTTTCTCTATAAAGGAGAAAGTGAGCCAAGGAGATATTTTTGGAATGAAAAG
DNA40981	421	TTTGGGGCTTTTTTAGTAAAGTAAAGAACTGGTGTGGTG
AX098385	421	TTTGGGGCTTTTTTAGTAAAGTAAAGAACTGGTGTGGTG
DNA40981	481	TTTCCCACAAGAGGGAGGGAAATTAATAATACATCTGCAAAGAAATTTCAGAGAAGAAAA ***************************
AX098385	481	TTTCCCACAAGAGGAGGAAATTAATAATACATCTGCAAAGAAATTTCAGAGAAGAAAA
DNA40981	541	GTTGAECGCGGCAGATTGAGGCATTGATTGGGGGAGAGAAACCAGCAGAGCACAGTTGGA
AX098385	541	GTTGACCGCGGCAGATTGAGGCATTGATTGGGGGAGAGAACCAGCAGAGCACAGTTGGA
DNA40981	601	TTTGTGCCTATGTTGACTAAAATTGACGGATAATTGCAGTTGGATTTTTCTTCATCAACC **********************
AX098385	601	TTTGTGCCTATGTTGACTAAAATTGACGGATAATTGCAGTTGGATTTTTCTTCATCAACC
DNA40981	661	TCCTTTTTTTAAATTTTTATTCCTTTTGGTATCAAGATCATGCGTTTTCTCTTGTTCTT ********************
AX098385	661	${\tt TCCTTTTTTTAAATTTTTATTCCTTTTGGTATCAAGATCATGCGTTTTCTCTTGTTCTT}$
DNA40981	721	AACCACCTGGATTTCCATCTGGATGTTGCTGTGATCAGTCTGAAATACAACTGTTTGAAT ******************************
AX098385	721	AACCACCTGGATTTCCATCTGGATGTTGCTGTGATCAGTCTGAAATACAACTGTTTGAAT
DNA40981	781	TCCAGAAGGACCAACACCAGATAAATTATGAATGTTGAACAAGATGACCTTACATCCACA

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AX098385	781	${\tt TCCAGAAGGACCAACACCAGATAAATTATGAATGTTGAACAAGATGACCTTACATCCACA}$
DNA40981	841	GCAGATAATGATAGGTCCTAGGTTTAACAGGGCCCTATTTGACCCCCTGCTTGTGGTGCT
AX098385	841	GCAGATAATGATAGGTCCTAGGTTTAACAGGGCCCTATTTGACCCCCTGCTTGTGGTGCT
DNA40981	901	GCTGGCTCTTCAACTTCTTGTGGTGGCTGGTCTGGTGCGGGCTCAGACCTGCCCTTCTGT
AX098385	901	GCTGGCTCTTCAACTTCTTGTGGTGGCTGGTCTGGTGCGGGCTCAGACCTGCCCTTCTGT
DNA40981	961	GTGCTCCTGCAGCAACCAGTTCAGCAAGGTGATTTGTGTTCGGAAAAACCTGCGTGAGGT
AX098385	961	$\tt GTGCTCCTGCAGCAACCAGTTCAGCAAGGTGATTTGTGTTCGGAAAAACCTGCGTGAGGT$
DNA40981	1021	TCCGGATGGCATCTCCACCAACACACGGCTGCTGAACCTCCATGAGAACCAAATCCAGAT
AX098385	1021	TCCGGATGGCATCTCCACCAACACACGGCTGCTGAACCTCCATGAGAACCAAATCCAGAT
DNA40981	1081	CATCAAAGTGAACAGCTTCAAGCACTTGAGGCACTTGGAAATCCTACAGTTGAGTAGGAA
AX098385	1081	${\tt CATCAAAGTGAACAGCTTCAAGCACTTGAGGCACTTGGAAATCCTACAGTTGAGTAGGAA}$
DNA40981	1141	CCATATCAGAACCATTGAAATTGGGGCTTTCAATGGTCTGGCGAACCTCAACACTCTGGA
AX098385	1141	${\tt CCATATCAGAACCATTGAAATTGGGGCTTTCAATGGTCTGGCGAACCTCAACACTCTGGA}$
DNA40981	1201	ACTCTTTGACAATCGTCTTACTACCATCCCGAATGGAGCTTTTGTATACTTGTCTAAACT
AX098385	1201	${\tt ACTCTTTGACAATCGTCTTACTACCATCCCGAATGGAGCTTTTGTATACTTGTCTAAACT}$
DNA40981	1261	GAAGGAGCTCTGGTTGCGAAACACCCCATTGAAAGCATCCCTTCTTATGCTTTTAACAG
AX098385	1261	GAAGGAGCTCTGGTTGCGAAACAACCCCATTGAAAGCATCCCTTCTTATGCTTTTAACAG
DNA40981	1321	AATTCCTTCTTTGCGCCGACTAGACTTAGGGGAATTGAAAAGACTTTCATACATCTCAGA
AX098385	1321	AATTCCTTCTTTGCGCCGACTAGACTTAGGGGAATTGAAAAGACTTTCATACATCTCAGA
DNA40981	1381	AGGTGCCTTTGAAGGTCTGTCCAACTTGAGGTATTTGAACCTTGCCATGTGCAACCTTCG
AX098385	1381	AGGTGCCTTTGAAGGTCTGTCCAACTTGAGGTATTTGAACCTTGCCATGTGCAACCTTCG
DNA40981	1441	GGAAATCCCTAACCTCACACCGCTCATAAAACTAGATGAGCTGGATCTTTCTGGGAATCA
AX098385	1441	GGAAATCCCTAACCTCACACCGCTCATAAAACTAGATGAGCTGGATCTTTCTGGGAATCA
DNA40981	1501	TTTATCTGCCATCAGGCCTGGCTCTTTCCAGGGTTTGATGCACCTTCAAAAACTGTGGAT ********************************
AX098385	1501	TTTATCTGCCATCAGGCCTGGCTCTTTCCAGGGTTTGATGCACCTTCAAAAACTGTGGAT
DNA40981	1561	GATACAGTCCCAGATTCAAGTGATTGAACGGAATGCCTTTGACAACCTTCAGTCACTAGT
AX098385	1561	GATACAGTCCCAGATTCAAGTGATTGAACGGAATGCCTTTGACAACCTTCAGTCACTAGT
DNA40981	1621	GGAGATCAACCTGGCACAATAATCTAACATTACTGCCTCATGACCTCTTCACTCCCTT ***********************
AX098385	1621	GGAGATCAACCTGGCACAATAATCTAACATTACTGCCTCATGACCTCTTCACTCCCTT
DNA40981	1681	GCATCATCTAGAGCGGATACATTTACATCACAACCCTTGGAACTGTAACTGTGACATACT
AX098385	1681	GCATCATCTAGAGCGGATACATTTACATCACAACCCTTGGAACTGTAACTGTGACATACT
DNA40981	1741	GTGGCTCAGCTGGTGGATAAAAGACATGGCCCCCTCGAACACAGCTTGTTGTGCCCGGTG **********************

AX098385	1741	GTGGCTCAGCTGGTGGATAAAAGACATGGCCCCCTCGAACACAGCTTGTTGTGCCCGGTG
DNA40981	1801	TAACACTCCTCCCAATCTAAAGGGGAGGTACATTGGAGAGCTCGACCAGAATTACTTCAC
AX098385	1801	TAACACTCCTCCCAATCTAAAGGGGAGGTACATTGGAGAGCTCGACCAGAATTACTTCAC
DNA40981	1861	ATGCTATGCTCCGGTGATTGTGGAGCCCCCTGCAGACCTCAATGTCACTGAAGGCATGGC
AX098385	1861	ATGCTATGCTCCGGTGATTGTGGAGCCCCCTGCAGACCTCAATGTCACTGAAGGCATGGC
DNA40981	1921	AGCTGAGCTGAAATGTCGGGCCTCCACATCCCTGACATCTGTATCTTGGATTACTCCAAA
AX098385	1921	AGCTGAGCTGAAATGTCGGGCCTCCACATCCCTGACATCTGTATCTTGGATTACTCCAAA
DNA40981	1981	TGGAACAGTCATGACACATGGGGCGTACAAAGTGCGGATAGCTGTGCTCAGTGATGGTAC
AX098385	1981	TGGAACAGTCATGACACATGGGGCGTACAAAGTGCGGATAGCTGTGCTCAGTGATGGTAC
DNA40981	2041	GTTAAATTTCACAAATGTAACTGTGCAAGATACAGGCATGTACACATGTATGGTGAGTAA ************************
AX098385	2041	GTTAAATTTCACAAATGTAACTGTGCAAGATACAGGCATGTACACATGTATGGTGAGTAA
DNA40981	2101	TTCCGTTGGGAATACTACTGCTTCAGCCACCCTGAATGTTACTGCAGCAACCACTACTCC
AX098385	2101	TTCCGTTGGGAATACTACTGCTTCAGCCACCCTGAATGTTACTGCAGCAACCACTACTCC
DNA40981	2161	TTTCTCTTACTTTTCAACCGTCACAGTAGAGACTATGGAACCGTCTCAGGATGAGGCACG
AX098385	2161	TTTCTCTTACTTTTCAACCGTCACAGTAGAGACTATGGAACCGTCTCAGGATGAGGCACG
DNA40981	2221	GACCACAGATAACAATGTGGGTCCCACTCCAGTGGTCGACTGGGAGACCACCAATGTGAC
AX098385	2221	GACCACAGATAACAATGTGGGTCCCACTCCAGTGGTCGACTGGGAGACCACCAATGTGAC
DNA40981	2281	CACCTCTCTCACACCACAGAGCACAAGGTCGACAGAGAAAACCTTCACCATCCCAGTGAC
AX098385	2281	CACCTCTCTCACACCACAGAGCACAAGGTCGACAGAGAAAACCTTCACCATCCCAGTGAC
DNA40981	2341	***************
AX098385	2341	
DNA40981	2401	*************
AX098385		TGGGTGTTTTGTGGCCATCACACTCATGGCTGCAGTGATGCTGGTCATTTTCTACAAGAT
DNA40981		GAGGAAGCACCATCGGCAAAACCATCACGCCCCAACAAGGACTGTTGAAATTATTAA ************************
AX098385		GAGGAAGCACCATCGGCAAAACCATCACGCCCCAACAAGGACTGTTGAAATTATTAA
DNA40981		TGTGGATGATGAGATTACGGGAGACACCCCATGGAAAGCCACCTGCCCATGCCTAT
AX098385		TGTGGATGATGAGATTACGGGAGACACCCCATGGAAAGCCACCTGCCCATGCCTAT
DNA40981		CGAGCATGAGCACCTAAATCACTATAACTCATACAAATCTCCCTTCAACCACACAACA
AX098385		CGAGCATGAGCACCTAAATCACTATAACTCATACAAATCTCCCTTCAACCACACAACA
DNA40981		AGTTAACACAATAAATTCAATACACAGTTCAGTGCATGAACCGTTATTGATCCGAATGAA ********************************
AX098385		AGTTAACACAATAAATTCAATACACAGTTCAGTGCATGAACCGTTATTGATCCGAATGAA
DNA40981	2/01	CTCTAAAGACAATGTACAAGAGACTCAAATCTAAAACATTTACAGAGTTACAAAAAACAA **************************

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AX098385
        2701 CTCTAAAGACAATGTACAAGAGACTCAAATCTAAAACATTTACAGAGTTACAAAAAACAA
        2761 ACAATCAAAAAAAAAGACAGTTTATTAAAAATGACACAAATGACTGGGCTAAATCTACTG
 DNA40981
             ********************
 AX098385
        2761 ACAATCAAAAAAAAAGACAGTTTATTAAAAATGACACAAATGACTGGGCTAAATCTACTG
 DNA40981
        AX098385
        DNA40981
        2881 CTATTGTGATCTAAAGCAGACAAAAA
            *******
 AX098385
        2881 CTATTGTGATCTAAAGCAGACAAAA
>8 AB046800 Homo sapiens mRNA for KIAA1580 protein, partial cds. (4055 bp) [1
Score = 2889 (5727 \text{ bits}), Expect = 0.0
Identities = 2898/2901 (99%), at 1,1155-2901,4055, Strand +/+
 DNA40981
           AB046800
        DNA40981
          61 TGCCTTGCAAAAATGAAGGATGCAGGACGCAGCTTTCTCCTGGAACCGAACGCAATGGAT
        1215 TGCCTTGCAAAAATGAAGGATGCAGGACGCAGCTTTCTCCTGGAACCGAACGCAATGGAT
 AB046800
 DNA40981
         121 AAACTGATTGTGCAAGAGAGAAGGAAGCAAGCTTTTTCTTGTGAGCCCTGGATCTTA
            *******************
 AB046800
        1275 AAACTGATTGTGCAAGAGGAAGGAAGGAAGCTTTTTCTTGTGAGCCCTGGATCTTA
 DNA40981
         181 ACACAAATGTGTATATGTGCACACAGGGAGCATTCAAGAATGAAATAAACCAGAGTTAGA
            *************************
 AB046800
        1335 ACACAAATGTGTATATGTGCACACAGGGAGCATTCAAGAATGAAATAAACCAGAGTTAGA
 DNA40981
         241 CCCGCGGGGGTTGGTGTTCTGACATAAATAATAATCTTAAAGCAGCTGTTCCCCTCC
 AB046800
        1395 CCCGCGGGGTTGGTGTTCTGACATAAATAATATCTTAAAGCAGCTGTTCCCCTCC
         301 CCACCCCAAAAAAAAGGATGATTGGAAATGAAGAACCGAGGATTCACAAAGAAAAAAGT
 DNA40981
            ** ***********************
 AB046800
        1455 CCCCCCCAAAAAAAAGGATGATTGGAAATGAAGAACCGAGGATTCACAAAGAAAAAAGT
 DNA40981
         361 ATGTTCATTTTTCTCTATAAAGGAGAAAGTGAGCCAAGGAGATATTTTTGGAATGAAAAG
 AB046800
        1515 ATGTTCATTTTCTCTATAAAGGAGAAAGTGAGCCAAGGAGATATTTTTGGAATGAAAAG
 DNA40981
         ************
 AB046800
        DNA40981
         481 TTTCCCACAAGAGGGAGAAATTAATAATACATCTGCAAAGAAATTTCAGAGAAGAAAA
 AB046800
        1635 TTTCCCACAGAGGAGGAGAATTAATAATACATCTGCAAAGAAATTTCAGAGAAGAAAA
 DNA40981
         541 GTTGACCGCGGCAGATTGAGGCATTGATTGGGGGAGAGAAACCAGCAGAGCACAGTTGGA
            AB046800
        1695 GTTGACCGCGGCAGATTGAGGCATTGATTGGGGGAGAAACCAGCAGAGCACAGTTGGA
 DNA40981
         601 TTTGTGCCTATGTTGACTAAAATTGACGGATAATTGCAGTTGGATTTTTCTTCATCAACC
            AB046800
        1755 TTTGTGCCTATGTTGACTAAAATTGACGGATAATTGCAGTTGGATTTTTCTTCATCAACC
 DNA40981
         661 TCCTTTTTTTAAATTTTTATTCCTTTTGGTATCAAGATCATGCGTTTTCTCTTGTTCTT
```

AB046800	1815	${\tt TCCTTTTTTTAAATTTTTATTCCTTTTGGTATCAAGATCATGCGTTTTCTCTTGTTCTT}$
DNA40981	721	AACCACCTGGATTTCCATCTGGATGTTGCTGTGATCAGTCTGAAATACAACTGTTTGAAT
AB046800	1875	AACCACCTGGATTTCCATCTGGATGTTGCTGTGATCAGTCTGAAATACAACTGTTTGAAT
DNA40981	781	TCCAGAAGGACCAACACCAGATAAATTATGAATGTTGAACAAGATGACCTTACATCCACA
AB046800	1935	TCCAGAAGGACCAACACCAGATAAATTATGAATGTTGAACAAGATGACCTTACATCCACA
DNA40981	841	GCAGATAATGATAGGTCCTAGGTTTAACAGGGCCCTATTTGACCCCCTGCTTGTGGTGCT
AB046800	1995	GCAGATAATGATAGGTCCTAGGTTTAACAGGGCCCTATTTGACCCCCTGCTTGTGGTGCT
DNA40981		GCTGGCTCTTCAACTTCTTGTGGTGGCTGGTCTGGTGCGGGCTCAGACCTGCCCTTCTGT **************************
AB046800	2055	GCTGGCTCTTCAACTTCTTGTGGTGGCTGGTCTGGTGCGGGCTCAGACCTGCCCTTCTGT
DNA40981		GTGCTCCTGCAGCAACCAGTTCAGCAAGGTGATTTGTGTTCGGAAAAACCTGCGTGAGGT ********************************
AB046800	2115	GTGCTCCTGCAGCAACCAGTTCAGCAAGGTGATTTGTGTTCGGAAAAACCTGCGTGAGGT
DNA40981	1021	TCCGGATGGCATCTCCACCAACACGGCTGCTGAACCTCCATGAGAACCAAATCCAGAT ***********************************
AB046800	2175	TCCGGATGGCATCTCCACCAACACACGGCTGCTGAACCTCCATGAGAACCAAATCCAGAT
DNA40981	1081	CATCAAAGTGAACAGCTTCAAGCACTTGAGGCACTTGGAAATCCTACAGTTGAGTAGGAA
AB046800	2235	CATCAAAGTGAACAGCTTCAAGCACTTGAGACACTTGGAAATCCTACAGTTGAGTAGGAA
DNA40981	1141	CCATATCAGAACCATTGAAATTGGGGCTTTCAATGGTCTGGCGAACCTCAACACTCTGGA
AB046800	2295	CCATATCAGAACCATTGAAATTGGGGCTTTCAATGGTCTGGCGAACCTCAACACTCTGGA
DNA40981	1201	ACTCTTTGACAATCGTCTTACTACCATCCCGAATGGAGCTTTTGTATACTTGTCTAAACT
AB046800	2355	ACTCTTTGACAATCGTCTTACTACCATCCCGAATGGAGCTTTTGTATACTTGTCTAAACT
DNA40981	1261	GAAGGAGCTCTGGTTGCGAAACAACCCCATTGAAAGCATCCCTTCTTATGCTTTTAACAG
AB046800	2415	GAAGGAGCTCTGGTTGCGAAACAACCCCATTGAAAGCATCCCTTCTTATGCTTTTAACAG
DNA40981	1321	AATTCCTTCTTTGCGCCGACTAGACTTAGGGGAATTGAAAAGACTTTCATACATCTCAGA ***********************************
AB046800	2475	AATTCCTTCTTTGCGCCGACTAGACTTAGGGGAATTGAAAAGACTTTCATACATCTCAGA
DNA40981	1381	AGGTGCCTTTGAAGGTCTGTCCAACTTGAGGTATTTGAACCTTGCCATGTGCAACCTTCG
AB046800	2535	AGGTGCCTTTGAAGGTCTGTCCAACTTGAGGTATTTGAACCTTGCCATGTGCAACCTTCG
DNA40981	1441	GGAAATCCCTAACCTCACACCGCTCATAAAACTAGATGAGCTGGATCTTTCTGGGAATCA **********************************
AB046800	2595	GGAAATCCCTAACCTCACACCGCTCATAAAACTAGATGAGCTGGATCTTTCTGGGAATCA
DNA40981	1501	TTTATCTGCCATCAGGCCTGGCTCTTTCCAGGGTTTGATGCACCTTCAAAAACTGTGGAT ********************************
AB046800	2655	TTTATCTGCCATCAGGCCTGGCTCTTTCCAGGGTTTGATGCACCTTCAAAAACTGTGGAT
DNA40981	1561	GATACAGTCCCAGATTCAAGTGATTGAACGGAATGCCTTTGACAACCTTCAGTCACTAGT
AB046800	2715	GATÁCAGTCCCAGATTCAAGTGATTGAACGGAATGCCTTTGACAACCTTCAGTCACTAGT
DNA40981	1621	GGAGATCAACCTGGCACACAATAATCTAACATTACTGCCTCATGACCTCTTCACTCCCTT

[

AB046800 2775 GGAGATCAACCTGGCACAATAATCTAACATTACTGCCTCATGACCTCTTCACTCCCTT DNA40981 1681 GCATCATCTAGAGCGGATACATTTACATCACAACCCTTGGAACTGTAACTGTGACATACT ********************** 2835 GCATCATCTAGAGCGGATACATTTACATCACAACCCTTGGAACTGTAACTGTGACATACT AB046800 1741 GTGGCTCAGCTGGTGGATAAAAGACATGGCCCCCTCGAACACAGCTTGTTGTGCCCGGTG DNA40981 AB046800 2895 GTGGCTCAGCTGGTGGATAAAAGACATGGCCCCCTCGAACACAGCTTGTTGTGCCCGGTG DNA40981 1801 TAACACTCCTCCCAATCTAAAGGGGAGGTACATTGGAGAGCTCGACCAGAATTACTTCAC 2955 TAACACTCCTCCCAATCTAAAGGGGAGGTACATTGGAGAGCTCGACCAGAATTACTTCAC AB046800 DNA40981 1861 ATGCTATGCTCCGGTGATTGTGGAGCCCCCTGCAGACCTCAATGTCACTGAAGGCATGGC ************************** AB046800 3015 ATGCTATGCTCCGGTGATTGTGGAGCCCCCTGCAGACCTCAATGTCACTGAAGGCATGGC DNA40981 1921 AGCTGAGCTGAAATGTCGGGCCTCCACATCCCTGACATCTGTATCTTGGATTACTCCAAA AB046800 3075 AGCTGAGCTGAAATGTCGGGCCTCCACATCCCTGACATCTGTATCTTGGATTACTCCAAA DNA40981 1981 TGGAACAGTCATGACACATGGGGCGTACAAAGTGCGGATAGCTGTGCTCAGTGATGGTAC ******************** AB046800 3135 TGGAACAGTCATGACACATGGGGCGTACAAAGTGCGGATAGCTGTGCTCAGTGATGGTAC 2041 GTTAAATTTCACAAATGTAACTGTGCAAGATACAGGCATGTACACATGTATGGTGAGTAA DNA40981 AB046800 3195 GTTAAATTTCACAAATGTAACTGTGCAAGATACAGGCATGTACACATGTATGGTGAGTAA DNA40981 2101 TTCCGTTGGGAATACTACTGCTTCAGCCACCCTGAATGTTACTGCAGCAACCACTACTCC AB046800 3255 TTCCGTTGGGAATACTACTGCTTCAGCCACCCTGAATGTTACTGCAGCAACCACTACTCC DNA40981 2161 TTTCTCTTACTTTTCAACCGTCACAGTAGAGACTATGGAACCGTCTCAGGATGAGGCACG 3315 TTTCTCTTACTTTTCAACCGTCACAGTAGAGACTATGGAACCGTCTCAGGATGAGGCACG AB046800 DNA40981 2221 GACCACAGATAACAATGTGGGTCCCACTCCAGTGGTCGACTGGGAGACCACCAATGTGAC AB046800 3375 GACCACAGATAACAATGTGGGTCCCACTCCAGTGGTCGACTGGGAGACCACCAATGTGAC DNA40981 2281 CACCTCTCACACCACAGAGCACAAGGTCGACAGAGAAAACCTTCACCATCCCAGTGAC **************************** AB046800 3435 CACCTCTCACACCACAGAGCACAAGGTCGACAGAGAAAACCTTCACCATCCCAGTGAC DNA40981 2341 TGATATAAACAGTGGGATCCCAGGAATTGATGAGGTCATGAAGACTACCAAAATCATCAT AB046800 3495 TGATATAAACAGTGGGATCCCAGGAATTGATGAGGGTCATGAAGACTACCAAAATCATCAT 2401 TGGGTGTTTTGTGGCCATCACACTCATGGCTGCAGTGATGCTGGTCATTTTCTACAAGAT DNA40981 ********************* AB046800 3555 TGGGTGTTTTGTGGCCATCACACTCATGGCTGCAGTGATGCTGGTCATTTTCTACAAGAT DNA40981 2461 GAGGAAGCACCATCGGCAAAACCATCACGCCCCAACAAGGACTGTTGAAATTATTAA AB046800 3615 GAGGAAGCACCATCGGCAAAACCATCACGCCCCAACAAGGACTGTTGAAATTATTAA DNA40981 2521 TGTGGATGATGAGATTACGGGAGACACCCATGGAAAGCCACCTGCCCATGCCTAT AB046800 3675 TGTGGATGATGAGATTACGGGAGACACCCATGGAAAGCCACCTGCCCATGCCTGCTAT DNA40981

TECH CENTER 1600/2900

BLAST RESULTS A-26

	AB046800	3735	CGAGCATGAGCACCTAAATCACTATAACTCATACAAATCTCCCTTCAACCACACAACA	
	DNA40981	2641	AGTTAACACAATAAATTCAATACACAGTTCAGTGCATGAACCGTTATTGATCCGAATGAA	
	AB046800	3795	AGTTAACACAATAAATTCAATACACAGTTCAGTGCATGAACCGTTATTGATCCGAATGAA	
	DNA40981	2701	CTCTAAAGACAATGTACAAGAGACTCAAATCTAAAACATTTACAGAGTTACAAAAAACAA	
	AB046800	3855	CTCTAAAGACAATGTACAAGAGACTCAAATCTAAAACATTTACAGAGTTACAAAAAACAA	
	DNA40981	2761	ACAATCAAAAAAAAAGACAGTTTATTAAAAATGACACAAATGACTGGGCTAAATCTACTG	
	AB046800	3915	ACAATCAAAAAAAAAGACAGTTTATTAAAAATGACACAAATGACTGGGCTAAATCTACTG	
	DNA40981	2821	TTTCAAAAAGTGTCTTTACAAAAAACAAAAAGAAAGAAATTTATTT	
	AB046800	3975	TTTCAAAAAGTGTCTTTACAAAAAAACAAAAAGAAAAGA	(
	DNA40981	2881	CTATTGTGATCTAAAGCAGAC ******************	
	AB046800	4035	CTATTGTGATCTAAAGCAGAC	
1) S	57201 bp) core = 21	[1 se	sapiens clone RP11-40H19, WORKING DRAFT SEQUENCE, 11 unordered eg] 234 bits), Expect = 0.0 36/2136 (100%), at 770,28891-2905,31026, Strand +/+	đ
D	NA40981	770	ACTGTTTGAATTCCAGAAGGACCAACACCAGATAAATTATGAATGTTGAACAAGATGACC	ñ
A	C021820	28891	ACTGTTTGAATTCCAGAAGGACCAACACCAGATAAATTATGAATGTTGAACAAGATGACC	
D	NA40981	830	TTACATCCACAGCAGATAATGATAGGTCCTAGGTTTAACAGGGCCCTATTTGACCCCCTG	VEN :
A	C021820	28951	TTACATCCACAGCAGATAATGATAGGTCCTAGGTTTAACAGGGCCCTATTTGACCCCCTG	5
D	NA40981	890	CTTGTGGTGCTGCTGGCTCTTCAACTTCTTGTGGTGGCTGGTCTGGTGCGGGCTCAGACC	
A	C021820	29011	CTTGTGGTGCTGCTGGCTCTTCAACTTCTTGTGGTGGCTGGTCTGGTGCGGGCTCAGACC	0067/000
D	NA40981	950	TGCCCTTCTGTGTGCTCCTGCAGCAACCAGTTCAGCAAGGTGATTTGTGTTCGGAAAAAC	C
A	C021820	29071	TGCCCTTCTGTGTGCTCCTGCAGCAACCAGTTCAGCAAGGTGATTTGTGTTCGGAAAAAC	
D	NA40981	1010	CTGCGTGAGGTTCCGGATGGCATCTCCACCAACACGGCTGCTGAACCTCCATGAGAAC	
A	C021820	29131	CTGCGTGAGGTTCCGGATGGCATCTCCACCAACACACGGCTGCTGAACCTCCATGAGAAC	
DI	NA40981	1070	CAAATCCAGATCATCAAAGTGAACAGCTTCAAGCACTTGAGGCACTTGGAAATCCTACAG	
A	C021820	29191	CAAATCCAGATCATCAAAGTGAACAGCTTCAAGCACTTGAGGCACTTGGAAATCCTACAG	
DI	NA40981	1130	TTGAGTAGGAACCATATCAGAACCATTGAAATTGGGGCTTTCAATGGTCTGGCGAACCTC	
A	C021820	29251	TTGAGTAGGAACCATTGAAATTGGGGCTTTCAATGGTCTGGCGAACCTC	
DI	NA40981	1190	AACACTCTGGAACTCTTTGACAATCGTCTTACTACCATCCCGAATGGAGCTTTTGTATAC	
ΑŒ	C021820	29311	AACACTCTGGAACTCTTTGACAATCGTCTTACTACCATCCCGAATGGAGCTTTTGTATAC	
Di	NA40981	1250	TTGTCTAAACTGAAGGAGCTCTGGTTGCGAAACAACCCCATTGAAAGCATCCCTTCTTAT	
ΑC	C021820	29371	TTGTCTAAACTGAAGGAGCTCTGGTTGCGAAACAACCCCATTGAAAGCATCCCTTCTTAT	

DNA40981	1310	GCTTTTAACAGAATTCCTTCTTTGCGCCGACTAGACTTAGGGGAATTGAAAAGACTTTCA
AC021820	29431	${\tt GCTTTTAACAGAATTCCTTCTTTGCGCCGACTAGACTTAGGGGAATTGAAAAGACTTTCA}$
DNA40981	1370	TACATCTCAGAAGGTGCCTTTGAAGGTCTGTCCAACTTGAGGTATTTGAACCTTGCCATG
AC021820	29491	${\tt TACATCTCAGAAGGTGCCTTTGAAGGTCTGTCCAACTTGAGGTATTTGAACCTTGCCATG}$
DNA40981	1430	TGCAACCTTCGGGAAATCCCTAACCTCACACCGCTCATAAAACTAGATGAGCTGGATCTT **********************************
AC021820	29551	${\tt TGCAACCTTCGGGAAATCCCTAACCTCACACCGCTCATAAAACTAGATGAGCTGGATCTT}$
DNA40981	1490	TCTGGGAATCATTTATCTGCCATCAGGCCTGGCTCTTTCCAGGGTTTGATGCACCTTCAA ******************************
AC021820	29611	${\tt TCTGGGAATCATTTATCTGCCATCAGGCCTGGCTCTTTCCAGGGTTTGATGCACCTTCAA}$
DNA40981		AAACTGTGGATGATACAGTCCCAGATTCAAGTGATTGAACGGAATGCCTTTGACAACCTT *******************************
AC021820	29671	AAACTGTGGATGATACAGTCCCAGATTCAAGTGATTGAACGGAATGCCTTTGACAACCTT
DNA40981		CAGTCACTAGTGGAGATCAACCTGGCACACAATAATCTAACATTACTGCCTCATGACCTC
AC021820	29731	CAGTCACTAGTGGAGATCAACCTGGCACACAATAATCTAACATTACTGCCTCATGACCTC
DNA40981	1670	TTCACTCCCTTGCATCATCTAGAGCGGATACATTTACATCACAACCCTTGGAACTGTAAC ***********************************
AC021820	29791	TTCACTCCCTTGCATCTAGAGCGGATACATTTACATCACAACCCTTGGAACTGTAAC
DNA40981	1730	TGTGACATACTGTGGCTCAGCTGGTGGATAAAAGACATGGCCCCCTCGAACACAGCTTGT *********************************
AC021820	29851	${\tt TGTGACATACTGTGGCTCAGCTGGTGGATAAAAGACATGGCCCCCTCGAACACAGCTTGT}$
DNA40981	1790	TGTGCCCGGTGTAACACTCCTCCCAATCTAAAGGGGAGGTACATTGGAGAGCTCGACCAG
AC021820	29911	${\tt TGTGCCCGGTGTAACACTCCTCCCAATCTAAAGGGGAGGTACATTGGAGAGCTCGACCAG}$
DNA40981	1850	AATTACTTCACATGCTATGCTCCGGTGATTGTGGAGCCCCCTGCAGACCTCAATGTCACT **********************************
AC021820	29971	AATTACTTCACATGCTATGCTCCGGTGATTGTGGAGCCCCCTGCAGACCTCAATGTCACT
DNA40981	1910	GAAGGCATGGCAGCTGAAATGTCGGGCCTCCACATCCCTGACATCTGTATCTTGG
AC021820	30031	GAAGGCATGGCAGCTGAAATGTCGGGCCTCCACATCCCTGACATCTGTATCTTGG
DNA40981	1970	ATTACTCCAAATGGAACAGTCATGACACATGGGGCGTACAAAGTGCGGATAGCTGTGCTC
AC021820	30091	ATTACTCCAAATGGAACAGTCATGACACATGGGGCGTACAAAGTGCGGATAGCTGTC
DNA40981	2030	AGTGATGGTACGTTAAATTTCACAAATGTAACTGTGCAAGATACAGGCATGTACACATGT
AC021820	30151	AGTGATGGTACGTTAAATTTCACAAATGTAACTGTGCAAGATACAGGCATGTACACATGT
DNA40981	2090	ATGGTGAGTAATTCCGTTGGGAATACTACTGCTTCAGCCACCCTGAATGTTACTGCAGCA
AC021820	30211	ATGGTGAGTAATTCCGTTGGGAATACTACTGCTTCAGCCACCCTGAATGTTACTGCAGCA
DNA40981	2150	ACCACTACTCCTTTCTCTTACTTTTCAACCGTCACAGTAGAGACTATGGAACCGTCTCAG
AC021820	30271	ACCACTACTCCTTTCTTACTTTTCAACCGTCACAGTAGAGACTATGGAACCGTCTCAG
DNA40981	2210	GATGAGGCACGGACCACAGATAACAATGTGGGTCCCACTCCAGTGGTCGACTGGGAGACC
AC021820	30331	GATGAGGCACGGACCACAGATAACAATGTGGGTCCCACTCCAGTGGTCGACTGGGAGACC

DNA40981	2270	ACCAATGTGACCACCTCTCTCACACCACAGAGCACAAGGTCGACAGAGAAAACCTTCACC
AC021820	30391	ACCAATGTGACCACCTCTCTCACACCACAGAGCACAAGGTCGACAGAGAAAACCTTCACC
DNA40981	2330	ATCCCAGTGACTGATATAAACAGTGGGATCCCAGGAATTGATGAGGTCATGAAGACTACC
AC021820	30451	ATCCCAGTGACTGATATAAACAGTGGGATCCCAGGAATTGATGAGGTCATGAAGACTACC
DNA40981	2390	AAAATCATCATTGGGTGTTTTGTGGCCATCACACTCATGGCTGCAGTGATGCTGGTCATT
AC021820	30511	AAAATCATCATTGGGTGTTTTGTGGCCATCACACTCATGGCTGCAGTGATGCTGGTCATT
DNA40981	2450	TTCTACAAGATGAGGAAGCAGCACCATCGGCAAAACCATCACGCCCCAACAAGGACTGTT
AC021820	30571	TTCTACAAGATGAGGAAGCACCATCGGCAAAACCATCACGCCCCAACAAGGACTGTT
DNA40981	2510	GAAATTATTAATGTGGATGATGAGATTACGGGAGACACCCATGGAAAGCCACCTGCCC
AC021820	30631	GAAATTATTAATGTGGATGATGAGATTACGGGAGACACCCCATGGAAAGCCACCTGCCC
DNA40981	2570	ATGCCTGCTATCGAGCATGAGCACCTAAATCACTATAACTCATACAAATCTCCCTTCAAC
AC021820	30691	ATGCCTGCTATCGAGCATGAGCACCTAAATCACTATAACTCATACAAATCTCCCTTCAAC
DNA40981	2630	CACACAACAACAGTTAACACAATAAATTCAATACACAGTTCAGTGCATGAACCGTTATTG
AC021820	30751	CACACAACAACAGTTAACACAATAAATTCAATACACAGTTCAGTGCATGAACCGTTATTG
DNA40981	2690	ATCCGAATGAACTCTAAAGACAATGTACAAGAGACTCAAATCTAAAACATTTACAGAGTT
AC021820	30811	ATCCGAATGAACTCTAAAGACAATGTACAAGAGACTCAAATCTAAAACATTTACAGAGTT
DNA40981	2750	ACAAAAAACAAACAATCAAAAAAAAAGACAGTTTATTAAAAATGACACAAATGACTGGGC
AC021820	30871	ACAAAAAACAAACAATCAAAAAAAAAGACAGTTTATTAAAAAATGACACAAATGACTGGGC
DNA40981	2810	TAAATCTACTGTTTCAAAAAAGTGTCTTTACAAAAAAACAAAAAAGAAAAGAAATTTATT
AC021820	30931	TAAATCTACTGTTTCAAAAAAGTGTCTTTACAAAAAAACAAAAAAAA
DNA40981	2870	TATTAAAAATTCTATTGTGATCTAAAGCAGACAAAA
AC021820	30991	TATTAAAAATTCTATTGTGATCTAAAGCAGACAAAA
(151999 bp Score = 2) [1 se 132 (42	o sapiens chromosome 11 clone RP11-454H19 map 11, WORKING DRAFT eg] 226 bits), Expect = 0.0 35/2136 (99%), at 770,22645-2905,20510, Strand +/-
DNA40981	770	ACTGTTTGAATTCCAGAAGGACCAACACCAGATAAATTATGAATGTTGAACAAGATGACC
AC080100	22645	ACTGTTTGAATTCCAGAAGGACCAACACCAGATAAATTATGAATGTTGAACAAGATGACC
DNA40981	830	TTACATCCACAGCAGATAATGATAGGTCCTAGGTTTAACAGGGCCCTATTTGACCCCCTG
AC080100	22585	TTACATCCACAGCAGATAATGATAGGTCCTAGGTTTAACAGGGCCCTATTTGACCCCCTG
DNA40981	890	CTTGTGGTGCTGCTCGCTCTTCAACTTCTTGTGGTGGCTGGTCTGGTGCGGGCTCAGACC
AC080100	22525	CTTGTGGTGCTGCTCGCTCTCAACTTCTTGTGGTGGCTGGTCTGGTGCGGGCTCAGACC
DNA40981	950	TGCCCTTCTGTGTGCTCCTGCAGCAACCAGTTCAGCAAGGTGATTTGTGTTCGGAAAAAC

 $22465 \ \ TGCCCTTCTGTGTGCTCCTGCAGCAACCAGTTCAGCAAGGTGATTTGTGTTCGGAAAAAC$

AC080100

	DNA40981	1010	CTGCGTGAGGTTCCGGATGGCATCTCCACCAACACACGGCTGCTGAACCTCCATGAGAAC
y .1	AC080100	22405	CTGCGTGAGGTTCCGGATGGCATCTCCACCAACACACGGCTGCTGAACCTCCATGAGAAC
	DNA40981	1070	CAAATCCAGATCATCAAAGTGAACAGCTTCAAGCACTTGAGGCACTTGGAAATCCTACAG
	AC080100	22345	CAAATCCAGATCATCAAAGTGAACAGCTTCAAGCACTTGAGACACTTGGAAATCCTACAG
	DNA40981	1130	TTGAGTAGGAACCATATCAGAACCATTGAAATTGGGGCTTTCAATGGTCTGGCGAACCTC
	AC080100	22285	
	DNA40981	1190	AACACTCTGGAACTCTTTGACAATCGTCTTACTACCATCCCGAATGGAGCTTTTGTATAC
	AC080100	22225	AACACTCTGGAACTCTTTGACAATCGTCTTACTACCATCCCGAATGGAGCTTTTGTATAC
	DNA40981	1250	TTGTCTAAACTGAAGGAGCTCTGGTTGCGAAACAACCCCATTGAAAGCATCCCTTCTTAT
	AC080100	22165	TTGTCTAAACTGAAGGAGCTCTGGTTGCGAAACAACCCCATTGAAAGCATCCCTTCTTAT
	DNA40981	1310	GCTTTTAACAGAATTCCTTCTTTGCGCCGACTAGACTTAGGGGAATTGAAAAGACTTTCA
	AC080100	22105	
	DNA40981	1370	TACATCTCAGAAGGTGCCTTTGAAGGTCTGTCCAACTTGAGGTATTTGAACCTTGCCATG
	AC080100	22045	${\tt TACATCTCAGAAGGTGCCTTTGAAGGTCTGTCCAACTTGAGGTATTTGAACCTTGCCATG}$
	DNA40981	1430	TGCAACCTTCGGGAAATCCCTAACCTCACACCGCTCATAAAACTAGATGAGCTGGATCTT
	AC080100	21985	TGCAACCTTCGGGAAATCCCTAACCTCACACCGCTCATAAAACTAGATGAGCTGGATCTT
	DNA40981	1490	TCTGGGAATCATTTATCTGCCATCAGGCCTGGCTCTTTCCAGGGTTTGATGCACCTTCAA
	AC080100	21925	TCTGGGAATCATTTATCTGCCATCAGGCCTGGCTCTTTCCAGGGTTTGATGCACCTTCAA
	DNA40981	1550	AAACTGTGGATGATACAGTCCCAGATTCAAGTGATTGAACGGAATGCCTTTGACAACCTT
	AC080100	21865	${\tt AAACTGTGGATGATACAGTCCCAGATTCAAGTGATTGAACGGAATGCCTTTGACAACCTT}$
	DNA40981	1610	CAGTCACTAGTGGAGATCAACCTGGCACACAATAATCTAACATTACTGCCTCATGACCTC
	AC080100	21805	${\tt CAGTCACTAGTGGAGATCAACCTGGCACACAATAATCTAACATTACTGCCTCATGACCTC}$
	DNA40981	1670	TTCACTCCCTTGCATCATCTAGAGCGGATACATTTACATCACAACCCTTGGAACTGTAAC
	AC080100	21745	TTCACTCCCTTGCATCATCTAGAGCGGATACATTTACATCACAACCCTTGGAACTGTAAC
	DNA40981	1730	TGTGACATACTGTGGCTCAGCTGGTGGATAAAAGACATGGCCCCCTCGAACACAGCTTGT
	AC080100	21685	TGTGACATACTGTGGCTCAGCTGGTGATAAAAGACATGGCCCCCTCGAACACAGCTTGT
	DNA40981	1790	TGTGCCCGGTGTAACACTCCTCCCAATCTAAAGGGGAGGTACATTGGAGAGCTCGACCAG
	AC080100	21625	TGTGCCCGGTGTAACACTCCTCCCAATCTAAAGGGGAGGTACATTGGAGAGCTCGACCAG
	DNA40981	1850	AATTACTTCACATGCTATGCTCCGGTGATTGTGGAGCCCCCTGCAGACCTCAATGTCACT **********************************
	AC080100	21565	AATTACTTCACATGCTATGCTCCGGTGATTGTGGAGCCCCCTGCAGACCTCAATGTCACT
	DNA40981	1910	GAAGGCATGGCAGCTGAAATGTCGGGCCTCCACATCCCTGACATCTGTATCTTGG
	AC080100	21505	GAAGGCATGGCAGCTGAAATGTCGGGCCTCCACATCCCTGACATCTTTTGG

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DNA40981	1970	ATTACTCCAAATGGAACAGTCATGACACATGGGGCGTACAAAGTGCGGATAGCTGTGCTC
AC080100	21445	ATTACTCCAAATGGAACAGTCATGACACATGGGGCGTACAAAGTGCGGATAGCTGTGCTC
DNA40981	2030	AGTGATGGTACGTTAAATTTCACAAATGTAACTGTGCAAGATACAGGCATGTACACATGT ***********************************
AC080100	21385	AGTGATGGTACGTTAAATTTCACAAATGTAACTGTGCAAGATACAGGCATGTACACATGT
DNA40981	2090	ATGGTGAGTAATTCCGTTGGGAATACTACTGCTTCAGCCACCCTGAATGTTACTGCAGCA *********************************
AC080100	21325	ATGGTGAGTAATTCCGTTGGGAATACTACTGCTTCAGCCACCCTGAATGTTACTGCAGCA
DNA40981	2150	ACCACTACTCCTTTCTCTTACTTTTCAACCGTCACAGTAGAGACTATGGAACCGTCTCAG
AC080100	21265	ACCACTACTCCTTTCTCTTACTTTTCAACCGTCACAGTAGAGACTATGGAACCGTCTCAG
DNA40981	2210	GATGAGGCACGGACCACAGATAACAATGTGGGTCCCACTCCAGTGGTCGACTGGGAGACC *******************************
AC080100	21205	GATGAGGCACGGACCACAGATAACAATGTGGGTCCCACTCCAGTGGTCGACTGGGAGACC
DNA40981	2270	ACCAATGTGACCACCTCTCTCACACCACAGAGCACAAGGTCGACAGAGAAAACCTTCACC ***************************
AC080100	21145	ACCAATGTGACCACCTCTCTCACACCACAGAGCACAAGGTCGACAGAGAAAACCTTCACC
DNA40981	2330	ATCCCAGTGACTGATATAAACAGTGGGATCCCAGGAATTGATGAGGTCATGAAGACTACC
AC080100	21085	ATCCCAGTGACTGATATAAACAGTGGGATCCCAGGAATTGATGAGGGTCATGAAGACTACC
DNA40981	2390	AAAATCATCATTGGGTGTTTTGTGGCCATCACACTCATGGCTGCAGTGATGCTGGTCATT
AC080100	21025	${\tt AAAATCATCATTGGGTGTTTTGTGGCCATCACACTCATGGCTGCAGTGATGCTGGTCATT}$
DNA40981	2450	TTCTACAAGATGAGGAAGCAGCACCATCGGCAAAACCATCACGCCCCAACAAGGACTGTT
AC080100	20965	${\tt TTCTACAAGATGAGGAAGCACCATCGGCAAAACCATCACGCCCCAACAAGGACTGTT}$
DNA40981	2510	GAAATTATTAATGTGGATGATGAGATTACGGGAGACACCCCATGGAAAGCCACCTGCCC
AC080100	20905	GAAATTATTAATGTGGATGATGAGATTACGGGAGACACCCATGGAAAGCCACCTGCCC
DNA40981	2570	ATGCCTGCTATCGAGCATGAGCACCTAAATCACTATAACTCATACAAATCTCCCTTCAAC
AC080100	20845	ATGCCTGCTATCGAGCATGAGCACCTAAATCACTATAACTCATACAAATCTCCCTTCAAC
DNA40981	2630	CACACAACAACAGTTAACACAATAAATTCAATACACAGTTCAGTGCATGAACCGTTATTG
AC080100	20785	CACACAACAACAGTTAACACAATAAATTCAATACACAGTTCAGTGCATGAACCGTTATTG
DNA40981	2690	ATCCGAATGAACTCTAAAGACAATGTACAAGAGACTCAAATCTAAAACATTTACAGAGTT
AC080100	20725	ATCCGAATGAACTCTAAAGACAATGTACAAGAGACTCAAATCTAAAACATTTACAGAGTT
DNA40981	2750	ACAAAAACAACAATCAAAAAAAAAAGACAGTTTATTAAAAATGACACAAATGACTGGGC *********************************
AC080100	20665	ACAAAAAACAAACAATCAAAAAAAAAAGACAGTTTATTAAAAAATGACACAAATGACTGGGC
DNA40981	2810	TAAATCTACTGTTTCAAAAAAGTGTCTTTACAAAAAAAAA
AC080100	20605	TAAATCTACTGTTTCAAAAAAGTGTCTTTACAAAAAAACAAAAAAGAAAAGAAATTTATT
DNA40981	2870	TATTAAAAATTCTATTGTGATCTAAAGCAGACAAAA **************************
AC080100	20545	TATTAAAAATTCTATTGTGATCTAAAGCAGACAAAA



Tue Jul 17 13:25:41 2001 [BLASTP 2.1.3 [Apr-1-2001], NCBI] /home/ruby/va/Molbio/carpenda/temp1/p1.DNA40981 (640 aa)

1 P_AAB530 2 P_AAB652 3 P_AAB802 4 P_AAY700 5 P_AAB244 6 P_AAY133 7 P_AAW857 8 P_AAY081 9 BAB13400	089 292 262 673 407 394 722 L00 5.1	Eing High-scoring Segment Pairs: Human angiogenesis-associated protein PRO3 3362 640 100 0.0 Human PRO331 protein sequence SEQ ID NO:50 3362 640 100 0.0 Human PRO331 protein - Homo sapiens. 3362 640 100 0.0 Human PRO331 protein - Homo sapiens. 3362 640 100 0.0 Human PRO331 protein sequence SEQ ID NO:10 3362 640 100 0.0 protein PRO331 - Homo sapiens. 3362 640 100 0.0 Novel protein (Clone AS209_1) - Homo sapie 3362 640 100 0.0 Human PRO331 protein - Homo sapiens. 3362 640 100 0.0 KIAA1580 protein - Homo sapiens. 3362 640 100 0.0 kiaan angiogenesis-associated protein PRO331, SEQ ID NO:137 - Homo
Score = 336	52 (1	299 bits), Expect = 0.0 0/640 (100%), Positives = 640/640 (100%), at 1,1-640,640
DNA40981	1	MLNKMTLHPQQIMIGPRFNRALFDPLLVVLLALQLLVVAGLVRAQTCPSVCSCSNQFSKV
P_AAB53089	1	MLNKMTLHPQQIMIGPRFNRALFDPLLVVLLALQLLVVAGLVRAQTCPSVCSCSNQFSKV
DNA40981	61	ICVRKNLREVPDGISTNTRLLNLHENQIQIIKVNSFKHLRHLEILQLSRNHIRTIEIGAF
P_AAB53089	61	ICVRKNLREVPDGISTNTRLLNLHENQIQIIKVNSFKHLRHLEILQLSRNHIRTIEIGAF
DNA40981	121	NGLANLNTLELFDNRLTTIPNGAFVYLSKLKELWLRNNPIESIPSYAFNRIPSLRRLDLG
P_AAB53089	121	NGLANLNTLELFDNRLTTIPNGAFVYLSKLKELWLRNNPIESIPSYAFNRIPSLRRLDLG
DNA40981	.181	ELKRLSYISEGAFEGLSNLRYLNLAMCNLREIPNLTPLIKLDELDLSGNHLSAIRPGSFQ
P_AAB53089	181	ELKRLSYISEGAFEGLSNLRYLNLAMCNLREIPNLTPLIKLDELDLSGNHLSAIRPGSFQ
DNA40981	241	GLMHLQKLWMIQSQIQVIERNAFDNLQSLVEINLAHNNLTLLPHDLFTPLHHLERIHLHH **********************************
P_AAB53089	241	GLMHLQKLWMIQSQIQVIERNAFDNLQSLVEINLAHNNLTLLPHDLFTPLHHLERIHLHH
DNA40981	301	NPWNCNCDILWLSWWIKDMAPSNTACCARCNTPPNLKGRYIGELDQNYFTCYAPVIVEPP
P_AAB53089	301	NPWNCNCDILWLSWWIKDMAPSNTACCARCNTPPNLKGRYIGELDQNYFTCYAPVIVEPP
DNA40981	361	ADLNVTEGMAAELKCRASTSLTSVSWITPNGTVMTHGAYKVRIAVLSDGTLNFTNVTVQD
P_AAB53089	361	ADLNVTEGMAAELKCRASTSLTSVSWITPNGTVMTHGAYKVRIAVLSDGTLNFTNVTVQD
DNA40981	421	TGMYTCMVSNSVGNTTASATLNVTAATTTPFSYFSTVTVETMEPSQDEARTTDNNVGPTP ***********************************
P_AAB53089	421	TGMYTCMVSNSVGNTTASATLNVTAATTTPFSYFSTVTVETMEPSQDEARTTDNNVGPTP
DNA40981	481	VVDWETTNVTTSLTPQSTRSTEKTFTIPVTDINSGIPGIDEVMKTTKIIIGCFVAITLMA ************************************
P_AAB53089	481	VVDWETTNVTTSLTPQSTRSTEKTFTIPVTDINSGIPGIDEVMKTTKIIIGCFVAITLMA
DNA40981	541	AVMLVIFYKMRKQHHRQNHHAPTRTVEIINVDDEITGDTPMESHLPMPAIEHEHLNHYNS

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            541 AVMLVIFYKMRKQHHRQNHHAPTRTVEIINVDDEITGDTPMESHLPMPAIEHEHLNHYNS
 P AAB53089
  DNA40981
            601 YKSPFNHTTTVNTINSIHSSVHEPLLIRMNSKDNVQETQI
 P AAB53089
            601 YKSPFNHTTTVNTINSIHSSVHEPLLIRMNSKDNVQETQI
>2 P AAB65292 Human PRO331 protein sequence SEQ ID NO:501 - Homo sapiens. (640
aa) [1 seg]
 Score = 3362 (1299 bits), Expect = 0.0
 Identities = 640/640 (100%), Positives = 640/640 (100%), at 1,1-640,640
  DNA40981
              1 MLNKMTLHPOOIMIGPRFNRALFDPLLVVLLALQLLVVAGLVRAQTCPSVCSCSNQFSKV
              1 MLNKMTLHPOOIMIGPRFNRALFDPLLVVLLALQLLVVAGLVRAQTCPSVCSCSNQFSKV
 P AAB65292
  DNA40981
             61 ICVRKNLREVPDGISTNTRLLNLHENOIOIIKVNSFKHLRHLEILOLSRNHIRTIEIGAF
 P AAB65292
             61 ICVRKNLREVPDGISTNTRLLNLHENQIQIIKVNSFKHLRHLEILQLSRNHIRTIEIGAF
            121 NGLANLNTLELFDNRLTTIPNGAFVYLSKLKELWLRNNPIESIPSYAFNRIPSLRRLDLG
  DNA40981
 P AAB65292
            121 NGLANLNTLELFDNRLTTIPNGAFVYLSKLKELWLRNNPIESIPSYAFNRIPSLRRLDLG
  DNA40981
            181 ELKRLSYISEGAFEGLSNLRYLNLAMCNLREIPNLTPLIKLDELDLSGNHLSAIRPGSFQ
            181 ELKRLSYISEGAFEGLSNLRYLNLAMCNLREIPNLTPLIKLDELDLSGNHLSAIRPGSFO
 P AAB65292
            241 GLMHLOKLWMIOSOIOVIERNAFDNLOSLVEINLAHNNLTLLPHDLFTPLHHLERIHLHH
  DNA40981
            241 GLMHLQKLWMIQSQIQVIERNAFDNLQSLVEINLAHNNLTLLPHDLFTPLHHLERIHLHH
 P AAB65292
            301 NPWNCNCDILWLSWWIKDMAPSNTACCARCNTPPNLKGRYIGELDQNYFTCYAPVIVEPP
  DNA40981
                P AAB65292
            301 NPWNCNCDILWLSWWIKDMAPSNTACCARCNTPPNLKGRYIGELDQNYFTCYAPVIVEPP
            361 ADLNVTEGMAAELKCRASTSLTSVSWITPNGTVMTHGAYKVRIAVLSDGTLNFTNVTVOD
  DNA40981
            361 ADLNVTEGMAAELKCRASTSLTSVSWITPNGTVMTHGAYKVRIAVLSDGTLNFTNVTVQD
 P AAB65292
            421 TGMYTCMVSNSVGNTTASATLNVTAATTTPFSYFSTVTVETMEPSQDEARTTDNNVGPTP
  DNA40981
                ***********
P AAB65292
            421 TGMYTCMVSNSVGNTTASATLNVTAATTTPFSYFSTVTVETMEPSQDEARTTDNNVGPTP
  DNA40981
            481 VVDWETTNVTTSLTPQSTRSTEKTFTIPVTDINSGIPGIDEVMKTTKIIIGCFVAITLMA
                P AAB65292
            481 VVDWETTNVTTSLTPQSTRSTEKTFTIPVTDINSGIPGIDEVMKTTKIIIGCFVAITLMA
            541 AVMLVIFYKMRKOHHRONHHAPTRTVEIINVDDEITGDTPMESHLPMPAIEHEHLNHYNS
  DNA40981
           541 AVMLVIFYKMRKQHHRQNHHAPTRTVEIINVDDEITGDTPMESHLPMPAIEHEHLNHYNS
P AAB65292
  DNA40981
            601 YKSPFNHTTTVNTINSIHSSVHEPLLIRMNSKDNVQETQI
            601 YKSPFNHTTTVNTINSIHSSVHEPLLIRMNSKDNVQETQI
P AAB65292
>3 P AAB80262 Human PRO331 protein - Homo sapiens. (640 aa) [1 seg]
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Score = 3362 (1299 bits), Expect = 0.0
 Identities = 640/640 (100%), Positives = 640/640 (100%), at 1,1-640,640
  ENA40981
             1 MLNKMTLHPQQIMIGPRFNRALFDPLLVVLLALQLLVVAGLVRAQTCPSVCSCSNQFSKV
               P AAB80262
             1 MLNKMTLHPQQIMIGPRFNRALFDPLLVVLLALQLLVVAGLVRAQTCPSVCSCSNQFSKV
  DNA40981
            61 ICVRKNLREVPDGISTNTRLLNLHENQIQIIKVNSFKHLRHLEILQLSRNHIRTIEIGAF
              ******************
 P AAB80262
            61 ICVRKNLREVPDGISTNTRLLNLHENQIQIIKVNSFKHLRHLEILQLSRNHIRTIEIGAF
  DNA40981
           121 NGLANLNTLELFDNRLTTIPNGAFVYLSKLKELWLRNNPIESIPSYAFNRIPSLRRLDLG
           121 NGLANLNTLELFDNRLTTIPNGAFVYLSKLKELWLRNNPIESIPSYAFNRIPSLRRLDLG
 P AAB80262
  DNA40981
           181 ELKRLSYISEGAFEGLSNLRYLNLAMCNLREIPNLTPLIKLDELDLSGNHLSAIRPGSFO
              P AAB80262
           181 ELKRLSYISEGAFEGLSNLRYLNLAMCNLREIPNLTPLIKLDELDLSGNHLSAIRPGSFO
  DNA40981
           241 GLMHLOKLWMIOSOIOVIERNAFDNLQSLVEINLAHNNLTLLPHDLFTPLHHLERIHLHH
              P AAB80262
           241 GLMHLQKLWMIQSQIQVIERNAFDNLQSLVEINLAHNNLTLLPHDLFTPLHHLERIHLHH
  DNA40981
           301 NPWNCNCDILWLSWWIKDMAPSNTACCARCNTPPNLKGRYIGELDONYFTCYAPVIVEPP
 P AAB80262
           301 NPWNCNCDILWLSWWIKDMAPSNTACCARCNTPPNLKGRYIGELDQNYFTCYAPVIVEPP
  DNA40981
           361 ADLNVTEGMAAELKCRASTSLTSVSWITPNGTVMTHGAYKVRIAVLSDGTLNFTNVTVQD
              P AAB80262
           361 ADLNVTEGMAAELKCRASTSLTSVSWITPNGTVMTHGAYKVRIAVLSDGTLNFTNVTVQD
           421 TGMYTCMVSNSVGNTTASATLNVTAATTTPFSYFSTVTVETMEPSODEARTTDNNVGPTP
  DNA40981
              P AAB80262
           421 TGMYTCMVSNSVGNTTASATLNVTAATTTPFSYFSTVTVETMEPSODEARTTDNNVGPTP
  DNA40981
           481 VVDWETTNVTTSLTPOSTRSTEKTFTIPVTDINSGIPGIDEVMKTTKIIIGCFVAITLMA
 P AAB80262
           481 VVDWETTNVTTSLTPQSTRSTEKTFTIPVTDINSGIPGIDEVMKTTKIIIGCFVAITLMA
  DNA40981
           541 AVMLVIFYKMRKQHHRQNHHAPTRTVEIINVDDEITGDTPMESHLPMPAIEHEHLNHYNS
              541 AVMLVIFYKMRKQHHRQNHHAPTRTVEIINVDDEITGDTPMESHLPMPAIEHEHLNHYNS
 P AAB80262
  DNA40981
           601 YKSPFNHTTTVNTINSIHSSVHEPLLIRMNSKDNVOETOI
              ***********
P AAB80262
           601 YKSPFNHTTTVNTINSIHSSVHEPLLIRMNSKDNVQETQI
>4 P AAY70673 Human PRO331 protein - Homo sapiens. (640 aa) [1 seg]
Score = 3362 (1299 bits), Expect = 0.0
Identities = 640/640 (100%), Positives = 640/640 (100%), at 1,1-640,640
  DNA40981
            1 MLNKMTLHPQQIMIGPRFNRALFDPLLVVLLALQLLVVAGLVRAQTCPSVCSCSNQFSKV
P AAY70673
            1 MLNKMTLHPOOIMIGPRFNRALFDPLLVVLLALOLLVVAGLVRAOTCPSVCSCSNOFSKV
  DNA40981
           61 ICVRKNLREVPDGISTNTRLLNLHENQIQIIKVNSFKHLRHLEILQLSRNHIRTIEIGAF
```

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P AAY70673
            61 ICVRKNLREVPDGISTNTRLLNLHENOIOIIKVNSFKHLRHLEILOLSRNHIRTIEIGAF
   DNA40981
            121 NGLANLNTLELFDNRLTTIPNGAFVYLSKLKELWLRNNPIESIPSYAFNRIPSLRRLDLG
 P AAY70673
            121 NGLANLNTLELFDNRLTTIPNGAFVYLSKLKELWLRNNPIESIPSYAFNRIPSLRRLDLG
            181 ELKRLSYISEGAFEGLSNLRYLNLAMCNLREIPNLTPLIKLDELDLSGNHLSAIRPGSFO
  DNA40981
                P AAY70673
            181 ELKRLSYISEGAFEGLSNLRYLNLAMCNLREIPNLTPLIKLDELDLSGNHLSAIRPGSFQ
  DNA40981
            241 GLMHLQKLWMIQSQIQVIERNAFDNLQSLVEINLAHNNLTLLPHDLFTPLHHLERIHLHH
 P AAY70673
            241 GLMHLQKLWMIQSQIQVIERNAFDNLQSLVEINLAHNNLTLLPHDLFTPLHHLERIHLHH
  DNA40981
            301 NPWNCNCDILWLSWWIKDMAPSNTACCARCNTPPNLKGRYIGELDONYFTCYAPVIVEPP
 P AAY70673
            301 NPWNCNCDILWLSWWIKDMAPSNTACCARCNTPPNLKGRYIGELDQNYFTCYAPVIVEPP
            361 ADLNVTEGMAAELKCRASTSLTSVSWITPNGTVMTHGAYKVRIAVLSDGTLNFTNVTVOD
  DNA40981
 P AAY70673
            361 ADLNVTEGMAAELKCRASTSLTSVSWITPNGTVMTHGAYKVRIAVLSDGTLNFTNVTVQD
            421 TGMYTCMVSNSVGNTTASATLNVTAATTTPFSYFSTVTVETMEPSODEARTTDNNVGPTP
  DNA40981
 P AAY70673
            421 TGMYTCMVSNSVGNTTASATLNVTAATTTPFSYFSTVTVETMEPSQDEARTTDNNVGPTP
            481 VVDWETTNVTTSLTPOSTRSTEKTFTIPVTDINSGIPGIDEVMKTTKIIIGCFVAITLMA
  DNA40981
            481 VVDWETTNVTTSLTPQSTRSTEKTFTIPVTDINSGIPGIDEVMKTTKIIIGCFVAITLM
P AAY70673
            541 AVMLVIFYKMRKQHHRQNHHAPTRTVEIINVDDEITGDTPMESHLPMPAIEHEHLNHYNS
           DNA40981
P AAY70673
  DNA40981
 P AAY70673
>5 P AAB24407 Human PRO331 protein sequence SEQ ID NO:107 - Homo sapiens.
aa) [1 seq]
Score = 3362 (1299 bits), Expect = 0.0
Identities = 640/640 (100%), Positives = 640/640 (100%), at 1,1-640,640
             1 MLNKMTLHPOOIMIGPRFNRALFDPLLVVLLALOLLVVAGLVRAOTCPSVCSCSNOFSKV
  DNA40981
               P AAB24407
             1 MLNKMTLHPQQIMIGPRFNRALFDPLLVVLLALQLLVVAGLVRAQTCPSVCSCSNQFSKV
  DNA40981
            61 ICVRKNLREVPDGISTNTRLLNLHENQIQIIKVNSFKHLRHLEILQLSRNHIRTIEIGAF
P AAB24407
            61 ICVRKNLREVPDGISTNTRLLNLHENQIQIIKVNSFKHLRHLEILQLSRNHIRTIEIGAF
  DNA40981
           121 NGLANLNTLELFONRLTTIPNGAFVYLSKLKELWLRNNPIESIPSYAFNRIPSLRRLDLG
P AAB24407
           121 NGLANLNTLELFDNRLTTIPNGAFVYLSKLKELWLRNNPIESIPSYAFNRIPSLRRLDLG
           181 ELKRLSYISEGAFEGLSNLRYLNLAMCNLREIPNLTPLIKLDELDLSGNHLSAIRPGSFQ
  DNA40981
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r_AADZ4407	101	PDW/PO112FQM1FQF0MFW1FMFW1FMFW1FMFW1FMFW1MFQMWFQAFWFQ2FØ	~
DNA40981	241	GLMHLQKLWMIQSQIQVIERNAFDNLQSLVEINLAHNNLTLLPHDLFTPLHHLERIHLHH	ţ
P_AAB24407	241	GLMHLQKLWMIQSQIQVIERNAFDNLQSLVEINLAHNNLTLLPHDLFTPLHHLERIHLHH	{
DNA40981	301	NPWNCNCDILWLSWWIKDMAPSNTACCARCNTPPNLKGRYIGELDQNYFTCYAPVIVEPP	į
P_AAB24407	301	NPWNCNCDILWLSWWIKDMAPSNTACCARCNTPPNLKGRYIGELDQNYFTCYAPVIVEPP	,
DNA40981	361	ADLNVTEGMAAELKCRASTSLTSVSWITPNGTVMTHGAYKVRIAVLSDGTLNFTNVTVQD	(
P_AAB24407	361	ADLNVTEGMAAELKCRASTSLTSVSWITPNGTVMTHGAYKVRIAVLSDGTLNFTNVTVQD	
DNA40981	421	TGMYTCMVSNSVGNTTASATLNVTAATTTPFSYFSTVTVETMEPSQDEARTTDNNVGPTP ***********************************	
P_AAB24407	421	TGMYTCMVSNSVGNTTASATLNVTAATTTPFSYFSTVTVETMEPSQDEARTTDNNVGPTP	
DNA40981	481	VVDWETTNVTTSLTPQSTRSTEKTFTIPVTDINSGIPGIDEVMKTTKIIIGCFVAITLMA	
P_AAB24407	481	VVDWETTNVTTSLTPQSTRSTEKTFTIPVTDINSGIPGIDEVMKTTKIIIGCFVAITLMA	
DNA40981	541	AVMLVIFYKMRKQHHRQNHHAPTRTVEIINVDDEITGDTPMESHLPMPAIEHEHLNHYNS	
P_AAB24407	541	AVMLVIFYKMRKQHHRQNHHAPTRTVEIINVDDEITGDTPMESHLPMPAIEHEHLNHYNS	4
DNA40981		YKSPFNHTTTVNTINSIHSSVHEPLLIRMNSKDNVQETQI ************************************	2
P_AAB24407	601	YKSPFNHTTTVNTINSIHSSVHEPLLIRMNSKDNVQETQI)]
Score = 336	4 pro 2 (12 = 640	YKSPFNHTTTVNTINSIHSSVHEPLLIRMNSKDNVQETQI Detein PRO331 - Homo sapiens. (640 aa) [1 seg] 299 bits), Expect = 0.0 D/640 (100%), Positives = 640/640 (100%), at 1,1-640,640 MLNKMTLHPQQIMIGPRFNRALFDPLLVVLLALQLLVVAGLVRAQTCPSVCSCSNQFSKV]
	1	NATIONAL II DOG TATO DE PARE TROPA TROPA A VIGINAL DE CALVANTA DE	
DNA40981		************************	
P_AAY13394	1	MLNKMTLHPQQIMIGPRFNRALFDPLLVVLLALQLLVVAGLVRAQTCPSVCSCSNQFSKV	
DNA40981	61	ICVRKNLREVPDGISTNTRLLNLHENQIQIIKVNSFKHLRHLEILQLSRNHIRTIEIGAF ************************************	
P_AAY13394	61	ICVRKNLREVPDGISTNTRLLNLHENQIQIIKVNSFKHLRHLEILQLSRNHIRTIEIGAF	
DNA40981	121	NGLANLNTLELFDNRLTTIPNGAFVYLSKLKELWLRNNPIESIPSYAFNRIPSLRRLDLG	
P_AAY13394	121	NGLANLNTLELFDNRLTTIPNGAFVYLSKLKELWLRNNPIESIPSYAFNRIPSLRRLDLG	
DNA40981	181	ELKRLSYISEGAFEGLSNLRYLNLAMCNLREIPNLTPLIKLDELDLSGNHLSAIRPGSFQ	
P_AAY13394	181	ELKRLSYISEGAFEGLSNLRYLNLAMCNLREIPNLTPLIKLDELDLSGNHLSAIRPGSFQ	
DNA40981	241	GLMHLQKLWMIQSQIQVIERNAFDNLQSLVEINLAHNNLTLLPHDLFTPLHHLERIHLHH	
P_AAY13394	241	GLMHLQKLWMIQSQIQVIERNAFDNLQSLVEINLAHNNLTLLPHDLFTPLHHLERIHLHH	
DNA40981	301	NPWNCNCDILWLSWWIKDMAPSNTACCARCNTPPNLKGRYIGELDQNYFTCYAPVIVEPP	
P_AAY13394	301	NPWNCNCDILWLSWWIKDMAPSNTACCARCNTPPNLKGRYIGELDQNYFTCYAPVIVEPP	

181 ELKRLSYISEGAFEGLSNLRYLNLAMCNLREIPNLTPLIKLDELDLSGNHLSAIRPGSFQ

P_AAB24407

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DNA40981
           361 ADLNVTEGMAAELKCRASTSLTSVSWITPNGTVMTHGAYKVRIAVLSDGTLNFTNVTVOD
                   *****************
 P AAY13394
           361 ADLNVTEGMAAELKCRASTSLTSVSWITPNGTVMTHGAYKVRIAVLSDGTLNFTNVTVOD
  DNA40981
           421 TGMYTCMVSNSVGNTTASATLNVTAATTTPFSYFSTVTVETMEPSQDEARTTDNNVGPTP
               ****************
 P AAY13394
           421 TGMYTCMVSNSVGNTTASATLNVTAATTTPFSYFSTVTVETMEPSODEARTTDNNVGPTP
  DNA40981
           481 VVDWETTNVTTSLTPQSTRSTEKTFTIPVTDINSGIPGIDEVMKTTKIIIGCFVAITLMA
 P AAY13394
           481 VVDWETTNVTTSLTPQSTRSTEKTFTIPVTDINSGIPGIDEVMKTTKIIIGCFVAITLMA
  DNA40981
           541 AVMLVIFYKMRKOHHRONHHAPTRTVEIINVDDEITGDTPMESHLPMPAIEHEHLNHYNS
 P AAY13394
           541 AVMLVIFYKMRKQHHRQNHHAPTRTVEIINVDDEITGDTPMESHLPMPAIEHEHLNHYNS
  DNA40981
           601 YKSPFNHTTTVNTINSIHSSVHEPLLIRMNSKDNVOETOI
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P AAY13394
           601 YKSPFNHTTTVNTINSIHSSVHEPLLIRMNSKDNVQETQI
>7 P AAW85722 Novel protein (Clone AS209 1) - Homo sapiens. (640 aa) [1 seg]
Score = 3362 (1299 bits), Expect = 0.0
Identities = 640/640 (100%), Positives = 640/640 (100%), at 1,1-640,640
  DNA40981
             1 MLNKMTLHPQQIMIGPRFNRALFDPLLVVLLALQLLVVAGLVRAQTCPSVCSCSNOFSKV
               ********************
P AAW85722
             1 MLNKMTLHPQQIMIGPRFNRALFDPLLVVLLALQLLVVAGLVRAQTCPSVCSCSNQFSKV
  DNA40981
            61 ICVRKNLREVPDGISTNTRLLNLHENOIOIIKVNSFKHLRHLEILOLSRNHIRTIEIGAF
P AAW85722
            61 ICVRKNLREVPDGISTNTRLLNLHENQIQIIKVNSFKHLRHLEILQLSRNHIRTIEIGAF
  DNA40981
           121 NGLANLNTLELFDNRLTTIPNGAFVYLSKLKELWLRNNPIESIPSYAFNRIPSLRRLDLG
P AAW85722
           121 NGLANLNTLELFDNRLTTIPNGAFVYLSKLKELWLRNNPIESIPSYAFNRIPSLRRLDLG
  DNA40981
           181 ELKRLSYISEGAFEGLSNLRYLNLAMCNLREIPNLTPLIKLDELDLSGNHLSAIRPGSFQ
P AAW85722
           181 ELKRLSYISEGAFEGLSNLRYLNLAMCNLREIPNLTPLIKLDELDLSGNHLSAIRPGSFO
  DNA40981
           241 GLMHLQKLWMIQSQIQVIERNAFDNLQSLVEINLAHNNLTLLPHDLFTPLHHLERIHLHH
               P AAW85722
           241 GLMHLQKLWMIQSQIQVIERNAFDNLQSLVEINLAHNNLTLLPHDLFTPLHHLERIHLHH
           301 NPWNCNCDILWLSWWIKDMAPSNTACCARCNTPPNLKGRYIGELDQNYFTCYAPVIVEPP
  DNA40981
               ******************
P AAW85722
           301 NPWNCNCDILWLSWWIKDMAPSNTACCARCNTPPNLKGRYIGELDONYFTCYAPVIVEPP
  DNA40981
           361 ADLNVTEGMAAELKCRASTSLTSVSWITPNGTVMTHGAYKVRIAVLSDGTLNFTNVTVQD
P AAW85722
           361 ADLNVTEGMAAELKCRASTSLTSVSWITPNGTVMTHGAYKVRIAVLSDGTLNFTNVTVQD
  DNA40981
           421 TGMYTCMVSNSVGNTTASATLNVTAATTTPFSYFSTVTVETMEPSQDEARTTDNNVGPTP
               *********************
P AAW85722
           421 TGMYTCMVSNSVGNTTASATLNVTAATTTPFSYFSTVTVETMEPSQDEARTTDNNVGPTP
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DNA40981
           481 VVDWETTNVTTSLTPOSTRSTEKTFTIPVTDINSGIPGIDEVMKTTKIIIGCFVAITLMA
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           481 VVDWETTNVTTSLTPQSTRSTEKTFTIPVTDINSGIPGIDEVMKTTKIIIGCFVAITLMA
 P AAW85722
  DNA40981
           541 AVMLVIFYKMRKQHHRQNHHAPTRTVEIINVDDEITGDTPMESHLPMPAIEHEHLNHYNS
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P AAW85722
           541 AVMLVIFYKMRKOHHRONHAPTRTVEIINVDDEITGDTPMESHLPMPAIEHEHLNHYNS
  DNA40981
           601 YKSPFNHTTTVNTINSIHSSVHEPLLIRMNSKDNVQETQI
P AAW85722
           601 YKSPFNHTTTVNTINSIHSSVHEPLLIRMNSKDNVQETQI
>8 P_AAY08100 Human PRO331 protein - Homo sapiens. (640 aa) [1 seg]
Score = 3362 (1299 bits), Expect = 0.0
Identities = 640/640 (100%), Positives = 640/640 (100%), at 1,1-640,640
  DNA40981
            1 MLNKMTLHPQQIMIGPRFNRALFDPLLVVLLALQLLVVAGLVRAQTCPSVCSCSNOFSKV
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P AAY08100
            1 MLNKMTLHPQQIMIGPRFNRALFDPLLVVLLALQLLVVAGLVRAQTCPSVCSCSNQFSKV
  DNA40981
           61 ICVRKNLREVPDGISTNTRLLNLHENQIQIIKVNSFKHLRHLEILQLSRNHIRTIEIGAF
P AAY08100
           61 ICVRKNLREVPDGISTNTRLLNLHENQIQIIKVNSFKHLRHLEILQLSRNHIRTIEIGAF
  DNA40981
          121 NGLANLNTLELFONRLTTIPNGAFVYLSKLKELWLRNNPIESIPSYAFNRIPSLRRLDLG
              ******************
P AAY08100
          121 NGLANLNTLELFDNRLTTIPNGAFVYLSKLKELWLRNNPIESIPSYAFNRIPSLRRLDLG
          181 ELKRLSYISEGAFEGLSNLRYLNLAMCNLREIPNLTPLIKLDELDLSGNHLSAIRPGSFO
  DNA40981
          181 ELKRLSYISEGAFEGLSNLRYLNLAMCNLREIPNLTPLIKLDELDLSGNHLSAIRPGSF
P AAY08100
          241 GLMHLQKLWMIQSQIQVIERNAFDNLQSLVEINLAHNNLTLLPHDLFTPLHHLERIHLH
  DNA40981
              241 GLMHLQKLWMIQSQIQVIERNAFDNLQSLVEINLAHNNLTLLPHDLFTPLHHLERIHLH
P AAY08100
          301 NPWNCNCDILWLSWWIKDMAPSNTACCARCNTPPNLKGRYIGELDQNYFTCYAPVIVEP
  DNA40981
              ******************
P AAY08100
          301 NPWNCNCDILWLSWWIKDMAPSNTACCARCNTPPNLKGRYIGELDONYFTCYAPVIVEPP
  DNA40981
          361 ADLNVTEGMAAELKCRASTSLTSVSWITPNGTVMTHGAYKVRIAVLSDGTLNFTNVTVOD
              361 ADLNVTEGMAAELKCRASTSLTSVSWITPNGTVMTHGAYKVRIAVLSDGTLNFTNVTVQD
P AAY08100
  DNA40981
          421 TGMYTCMVSNSVGNTTASATLNVTAATTTPFSYFSTVTVETMEPSODEARTTDNNVGPTP
              ******************
P AAY08100
          421 TGMYTCMVSNSVGNTTASÄTLNVTAATTTPFSYFSTVTVETMEPSODEARTTDNNVGPTP
  DNA40981
          481 VVDWETTNVTTSLTPQSTRSTEKTFTIPVTDINSGIPGIDEVMKTTKIIIGCFVAITLMA
P AAY08100
          481 VVDWETTNVTTSLTPQSTRSTEKTFTIPVTDINSGIPGIDEVMKTTKIIIGCFVAITLMA
  DNA40981
          541 AVMLVIFYKMRKQHHRQNHHAPTRTVEIINVDDEITGDTPMESHLPMPAIEHEHLNHYNS
              P AAY08100
          541 AVMLVIFYKMRKQHHRQNHHAPTRTVEIINVDDEITGDTPMESHLPMPAIEHEHLNHYNS
  DNA40981
         601 YKSPFNHTTTVNTINSIHSSVHEPLLIRMNSKDNVQETQI
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P AAY08100
           601 YKSPFNHTTTVNTINSIHSSVHEPLLIRMNSKDNVQETQI
>9 BAB13406.1 KIAA1580 protein - Homo sapiens (640 aa) [1 seq]
Score = 3362 (1299 bits), Expect = 0.0
Identities = 640/640 (100%), Positives = 640/640 (100%), at 1,1-640,640
  DNA40981
            1 MLNKMTLHPQQIMIGPRFNRALFDPLLVVLLALQLLVVAGLVRAQTCPSVCSCSNQFSKV
BAB13406.1
            1 MLNKMTLHPQQIMIGPRFNRALFDPLLVVLLALQLLVVAGLVRAQTCPSVCSCSNQFSKV
. DNA40981
            61 ICVRKNLREVPDGISTNTRLLNLHENQIQIIKVNSFKHLRHLEILOLSRNHIRTIEIGAF
              ********************
            61 ICVRKNLREVPDGISTNTRLLNLHENQIQIIKVNSFKHLRHLEILQLSRNHIRTIEIGAF
BAB13406.1
  DNA40981
           121 NGLANLNTLELFDNRLTTIPNGAFVYLSKLKELWLRNNPIESIPSYAFNRIPSLRRLDLG
              **********
BAB13406.1
           121 NGLANLNTLELFDNRLTTIPNGAFVYLSKLKELWLRNNPIESIPSYAFNRIPSLRRLDLG
  DNA40981
           181 ELKRLSYISEGAFEGLSNLRYLNLAMCNLREIPNLTPLIKLDELDLSGNHLSAIRPGSFO
              ****************
BAB13406.1
          181 ELKRLSYISEGAFEGLSNLRYLNLAMCNLREIPNLTPLIKLDELDLSGNHLSAIRPGSFQ
  DNA40981
          241 GLMHLOKLWMIOSOIOVIERNAFDNLOSLVEINLAHNNLTLLPHDLFTPLHHLERIHLHH
BAB13406.1
          241 GLMHLQKLWMIQSQIQVIERNAFDNLQSLVEINLAHNNLTLLPHDLFTPLHHLERIHLHH
  DNA40981
          301 NPWNCNCDILWLSWWIKDMAPSNTACCARCNTPPNLKGRYIGELDONYFTCYAPVIVEPP
              ******************
BAB13406.1
          301 NPWNCNCDILWLSWWIKDMAPSNTACCARCNTPPNLKGRYIGELDONYFTCYAPVIVEPP
  DNA40981
          361 ADLNVTEGMAAELKCRASTSLTSVSWITPNGTVMTHGAYKVRIAVLSDGTLNFTNVTVQD
              *****************
BAB13406.1
          361 ADLNVTEGMAAELKCRASTSLTSVSWITPNGTVMTHGAYKVRIAVLSDGTLNFTNVTVOD
  DNA40981
          421 TGMYTCMVSNSVGNTTASATLNVTAATTTPFSYFSTVTVETMEPSQDEARTTDNNVGPTP
              *******************
BAB13406.1
          421 TGMYTCMVSNSVGNTTASATLNVTAATTTPFSYFSTVTVETMEPSQDEARTTDNNVGPTP
  DNA40981
          481 VVDWETTNVTTSLTPQSTRSTEKTFTIPVTDINSGIPGIDEVMKTTKIIIGCFVAITLMA
BAB13406.1
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  DNA40981
          541 AVMLVIFYKMRKOHHRONHHAPTRTVEIINVDDEITGDTPMESHLPMPAIEHEHLNHYNS
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541 AVMLVIFYKMRKQHHRQNHHAPTRTVEIINVDDEITGDTPMESHLPMPAIEHEHLNHYNS

601 YKSPFNHTTTVNTINSIHSSVHEPLLIRMNSKDNVQETQI

601 YKSPFNHTTTVNTINSIHSSVHEPLLIRMNSKDNVQETQI

BAB13406.1

BAB13406.1

DNA40981
